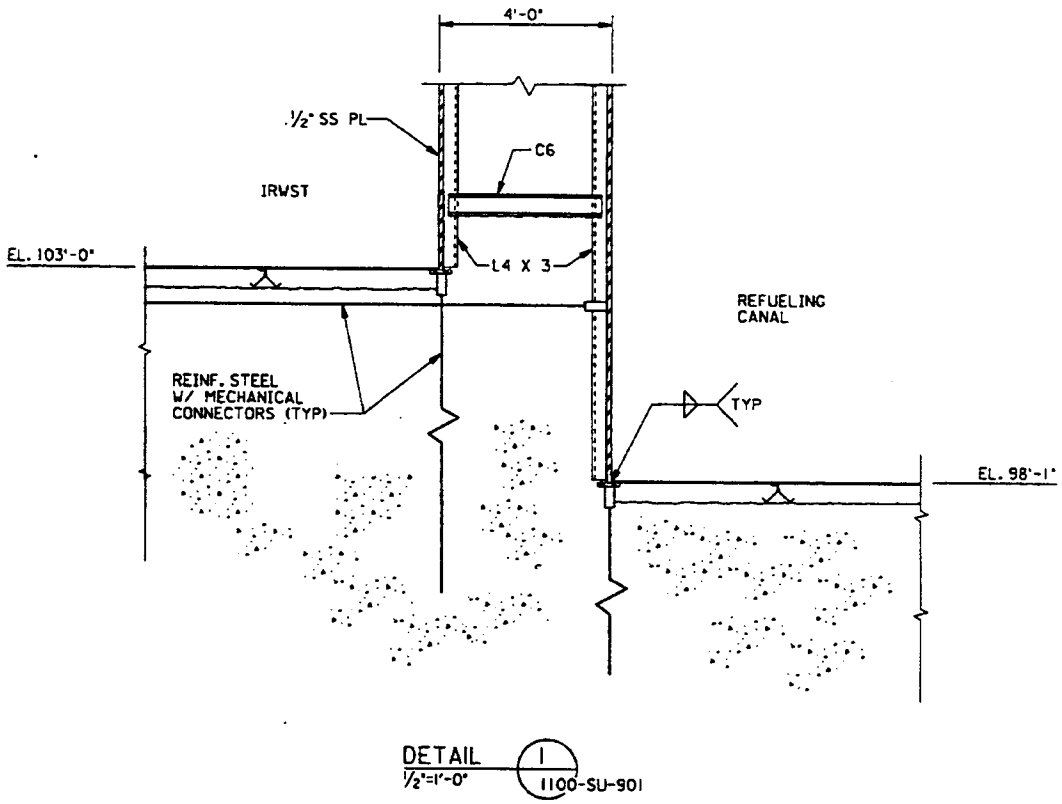


Figure 3.8.3-8 (Sheet 2 of 3)

[*Structural Modules - Typical Design Details*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

[This page intentionally blank]

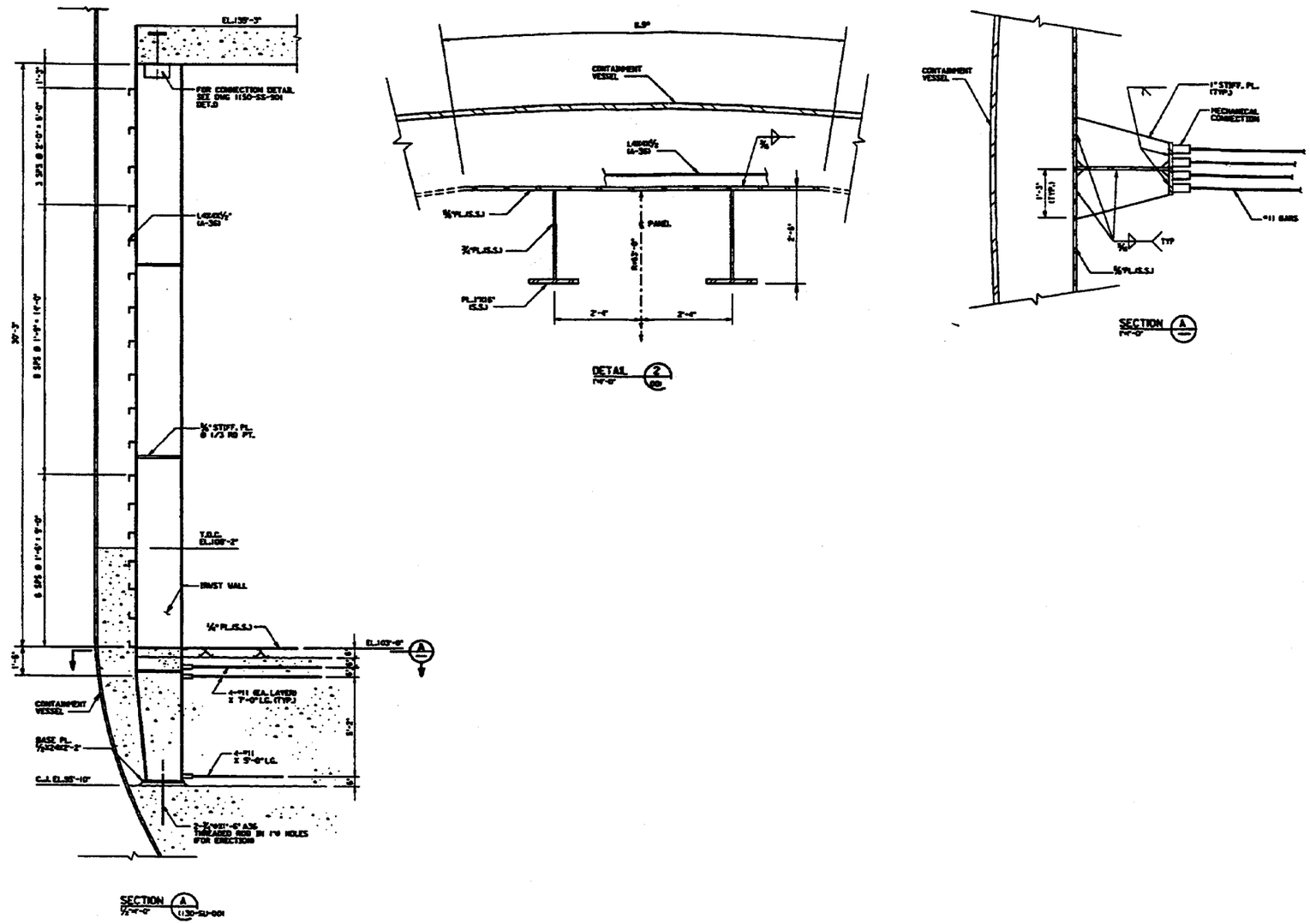


Figure 3.8.3-8 (Sheet 3 of 3)

[*Structural Modules - Typical Design Details*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

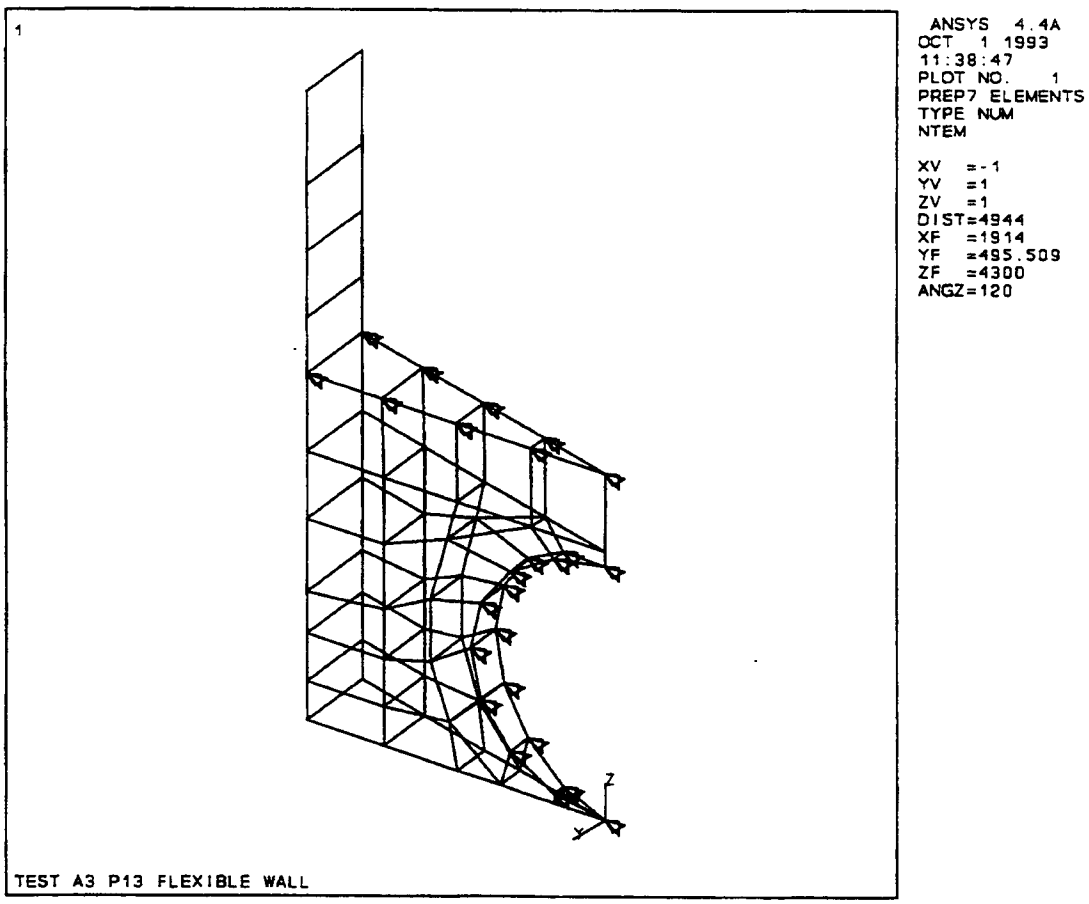


Figure 3.8.3-9

Test Tank Finite Element Model

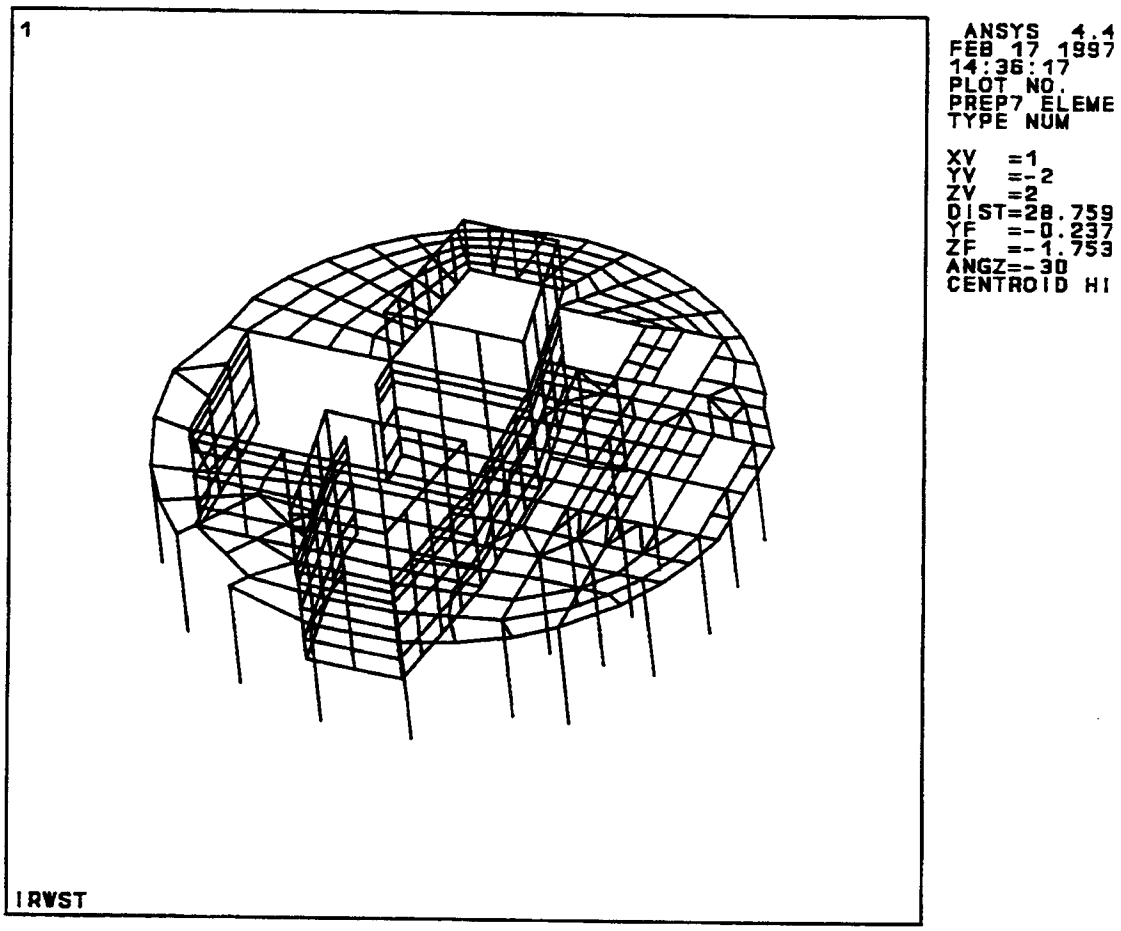


Figure 3.8.3-10 (Sheet 1 of 2)

IRWST Fluid Structure Finite Element Model
CIS Structural Model

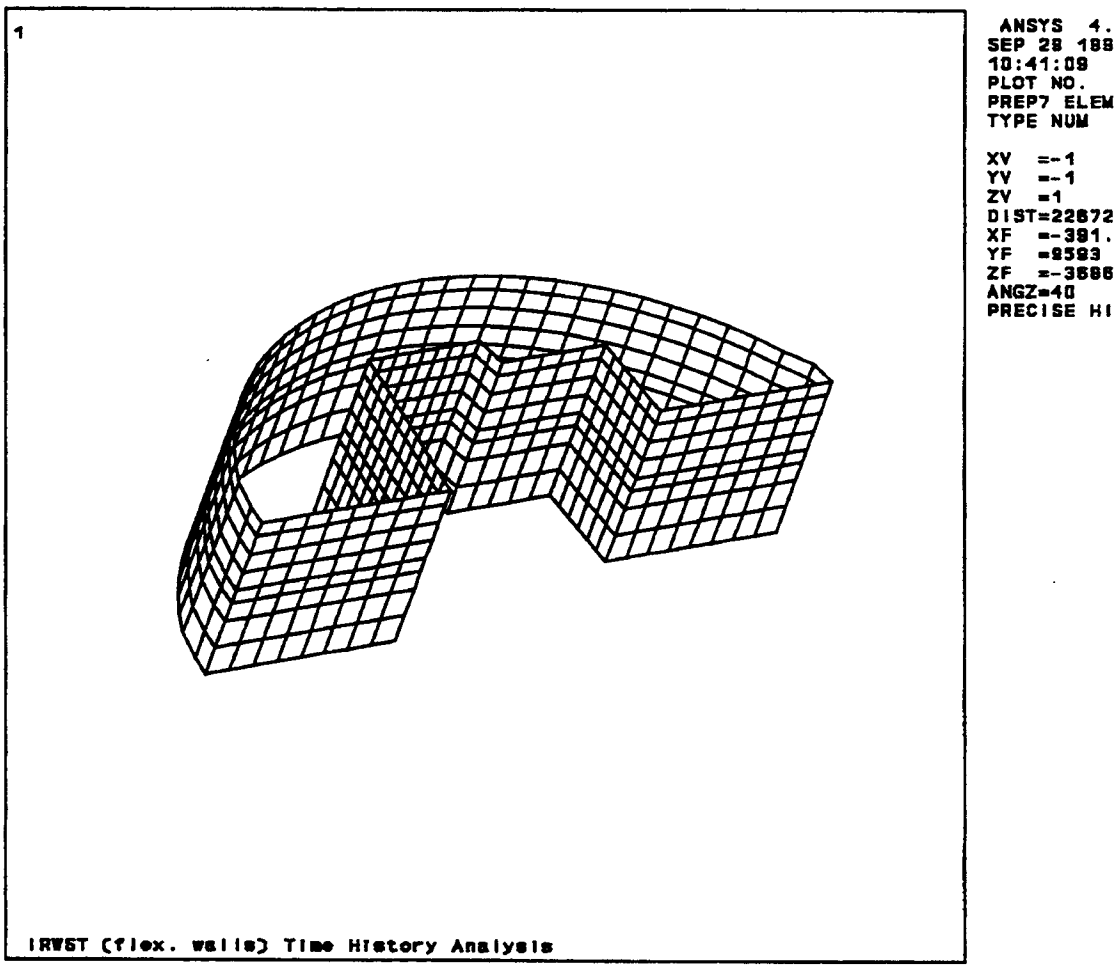


Figure 3.8.3-10 (Sheet 2 of 2)

IRWST Fluid Structure Finite Element Model
IRWST Structural Model

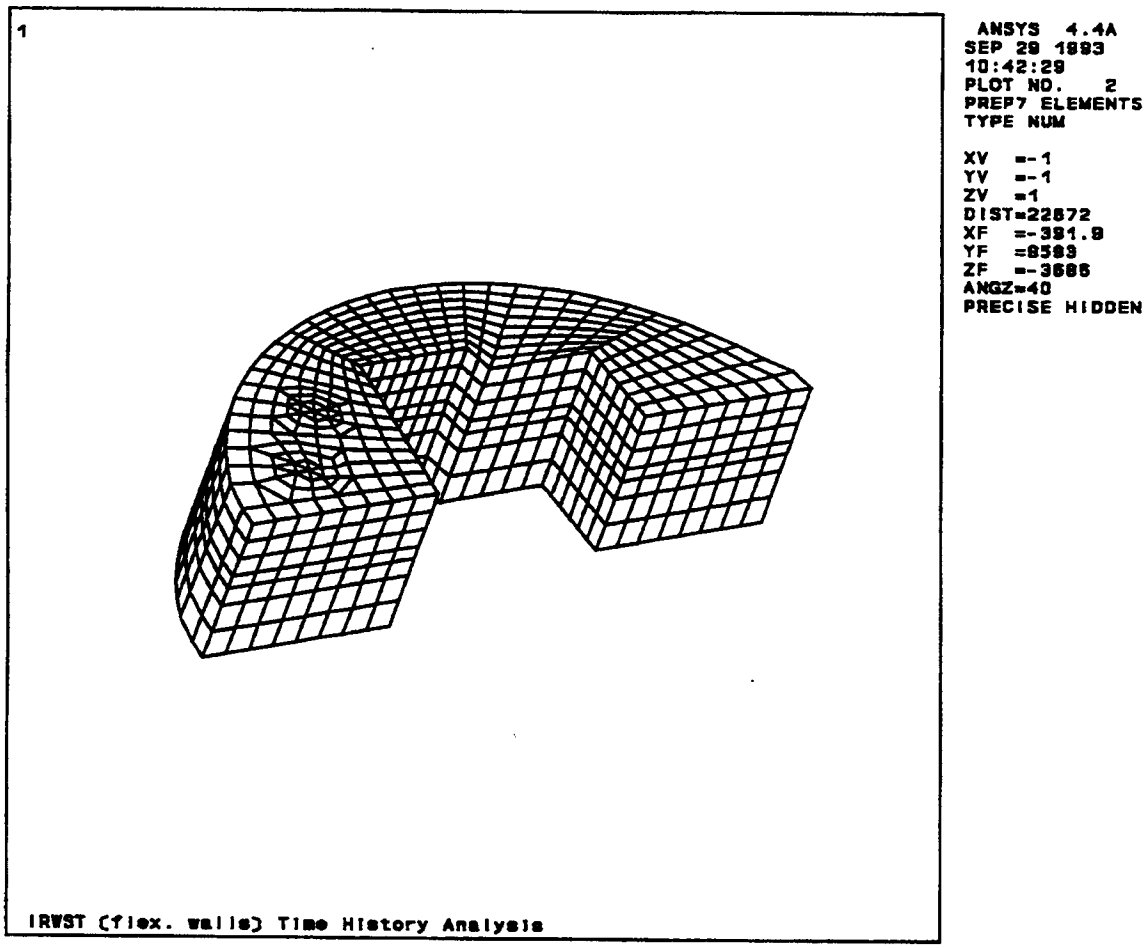


Figure 3.8.3-11

IRWST Fluid Structure Finite Element Model
Fluid Model

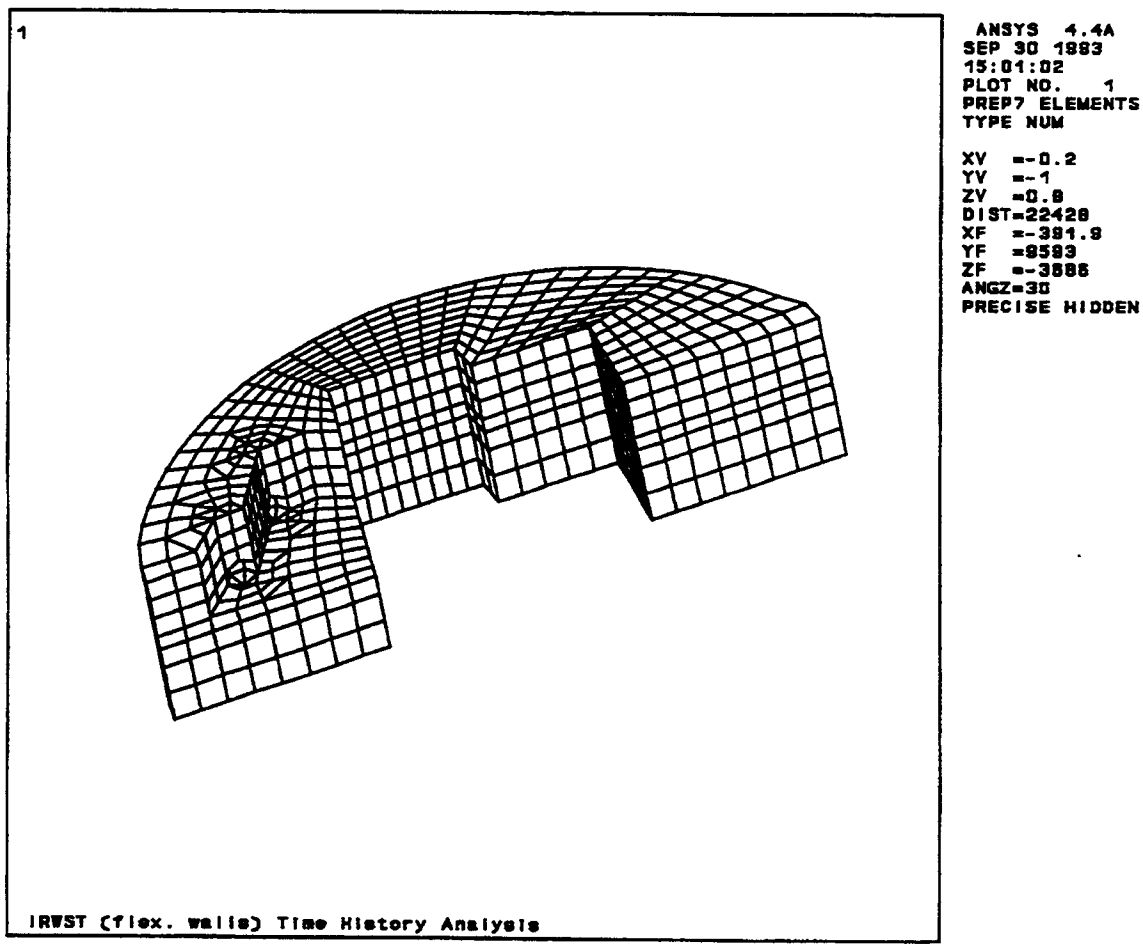
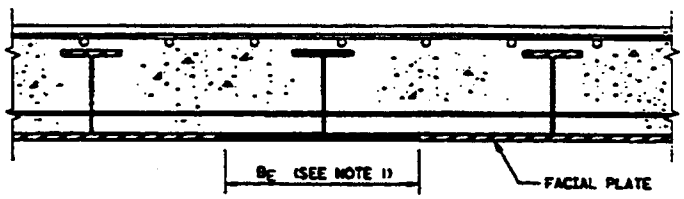
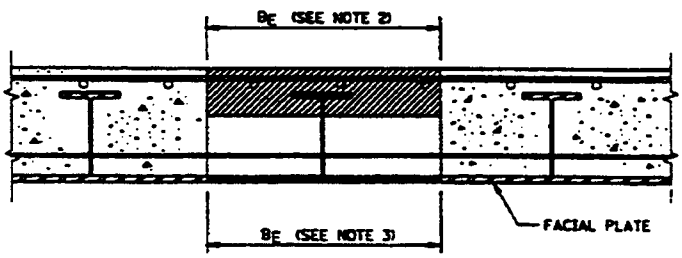


Figure 3.8.3-12

IRWST Fluid Structure Finite Element Model
Sparger Region Detail



FACIAL PLATE IN COMPRESSION



FACIAL PLATE IN TENSION

EFFECTIVE SECTIONS FOR FLOOR MODULES

NOTES:

1. FOR FACIAL PLATE IN COMPRESSION, b_e, IS DETERMINED PER SECTION 3.8.3.5.4.2
2. EFFECTIVE WIDTH OF CONCRETE, b_e, IS DETERMINED PER SECTION Q 1.11.1 OF AISC N690.
3. FOR FACIAL PLATE IN TENSION, b_e, IS TAKEN TO BE ONE HALF OF THE DISTANCE TO THE ADJACENT BEAMS.

Figure 3.8.3-13

Effective Sections for Floor Modules

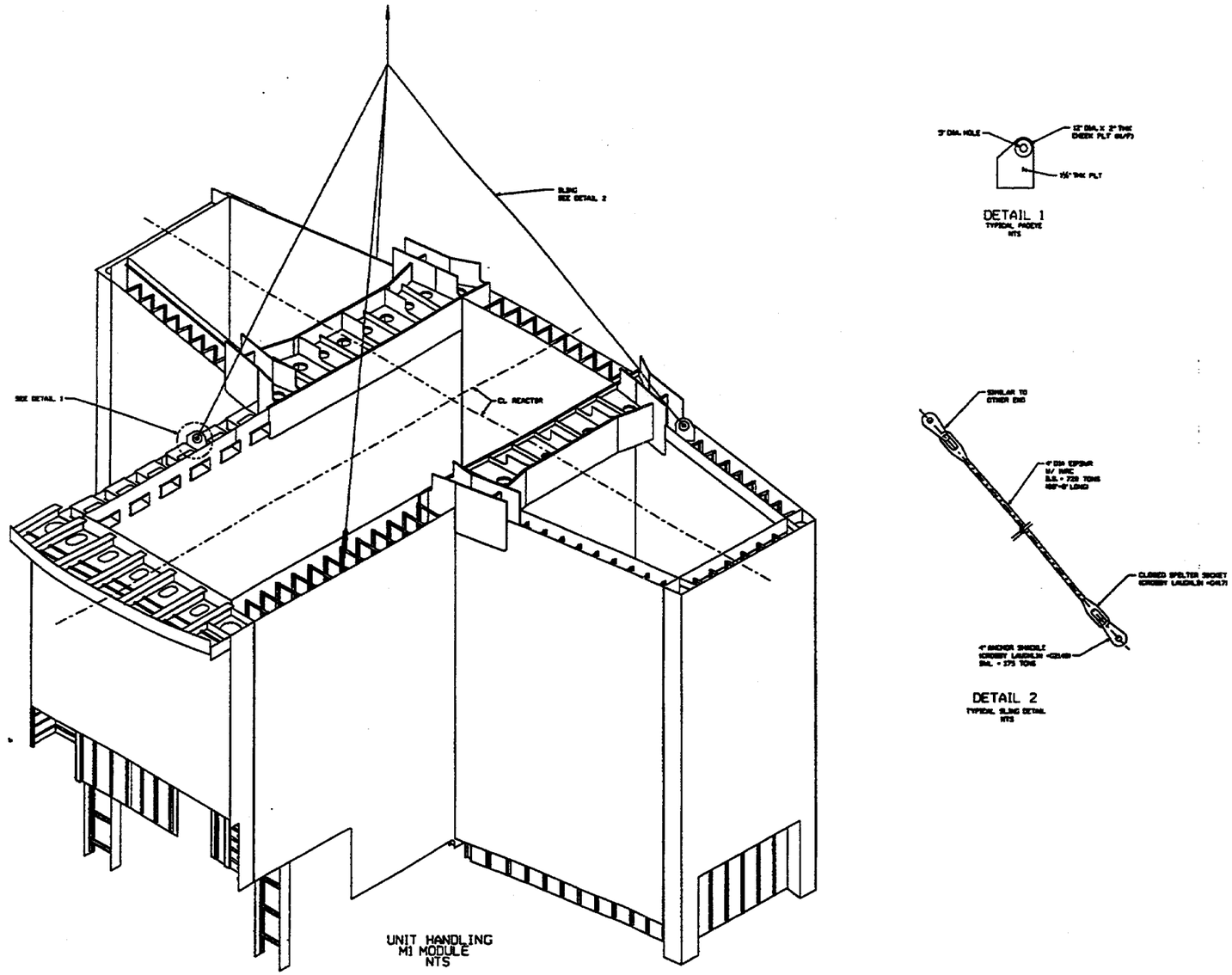


Figure 3.8.3-14

[*Typical M-1 Module*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

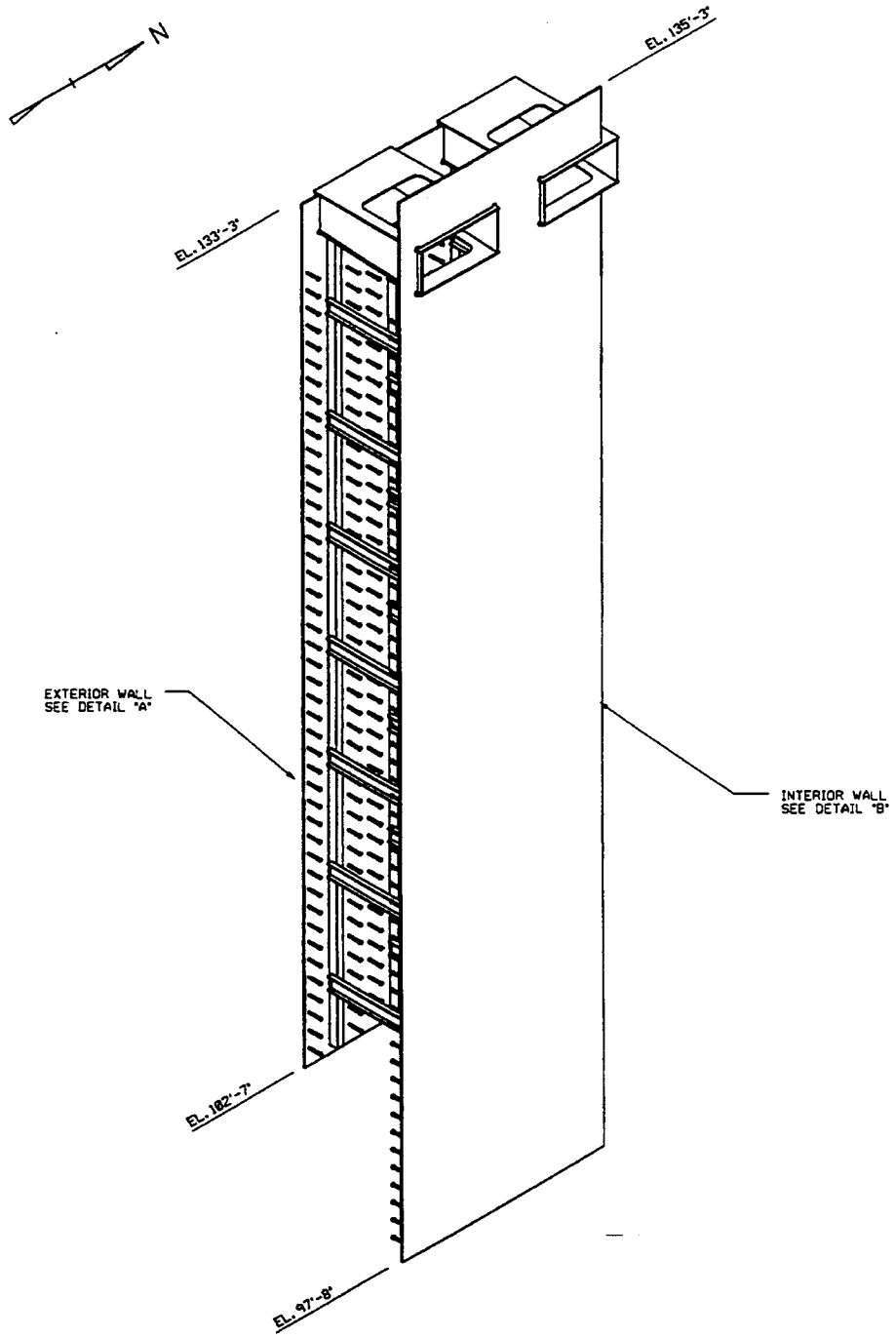
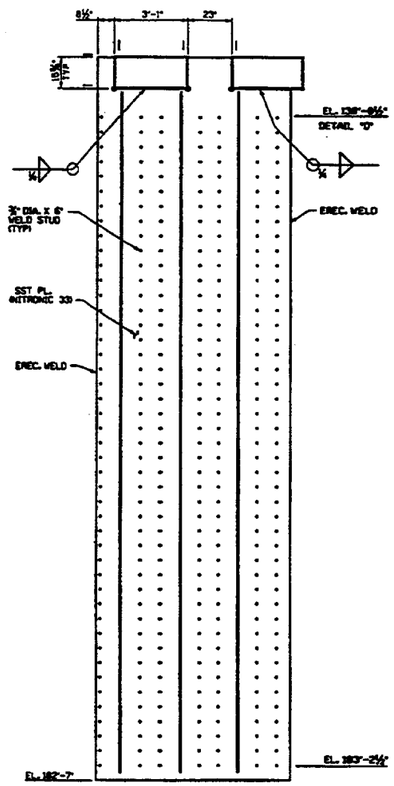


Figure 3.8.3-15 (Sheet 1 of 2)

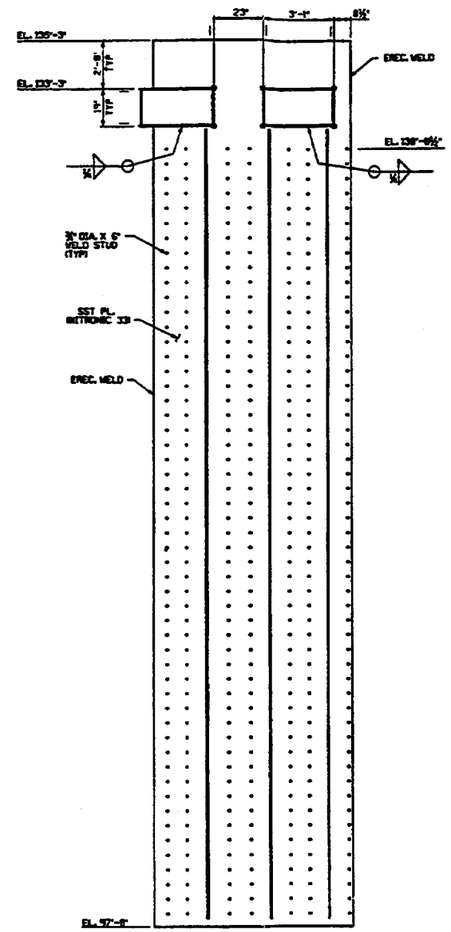
*[Typical M-1 Module]**

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

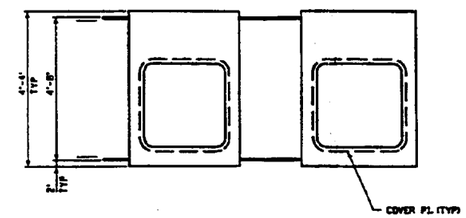
[This page intentionally blank]



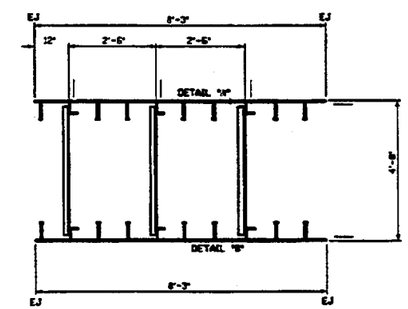
DETAIL "A"
EXTERIOR PANEL - LOOKING WEST



DETAIL "B"
INTERIOR PANEL - LOOKING EAST



DETAIL "C"
PLAN VIEW @ EL. 133'-3"



DETAIL "D"
PLAN VIEW @ EL. 129'-3"

Figure 3.8.3-15 (Sheet 2 of 2)

[*Typical M-1 Module*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

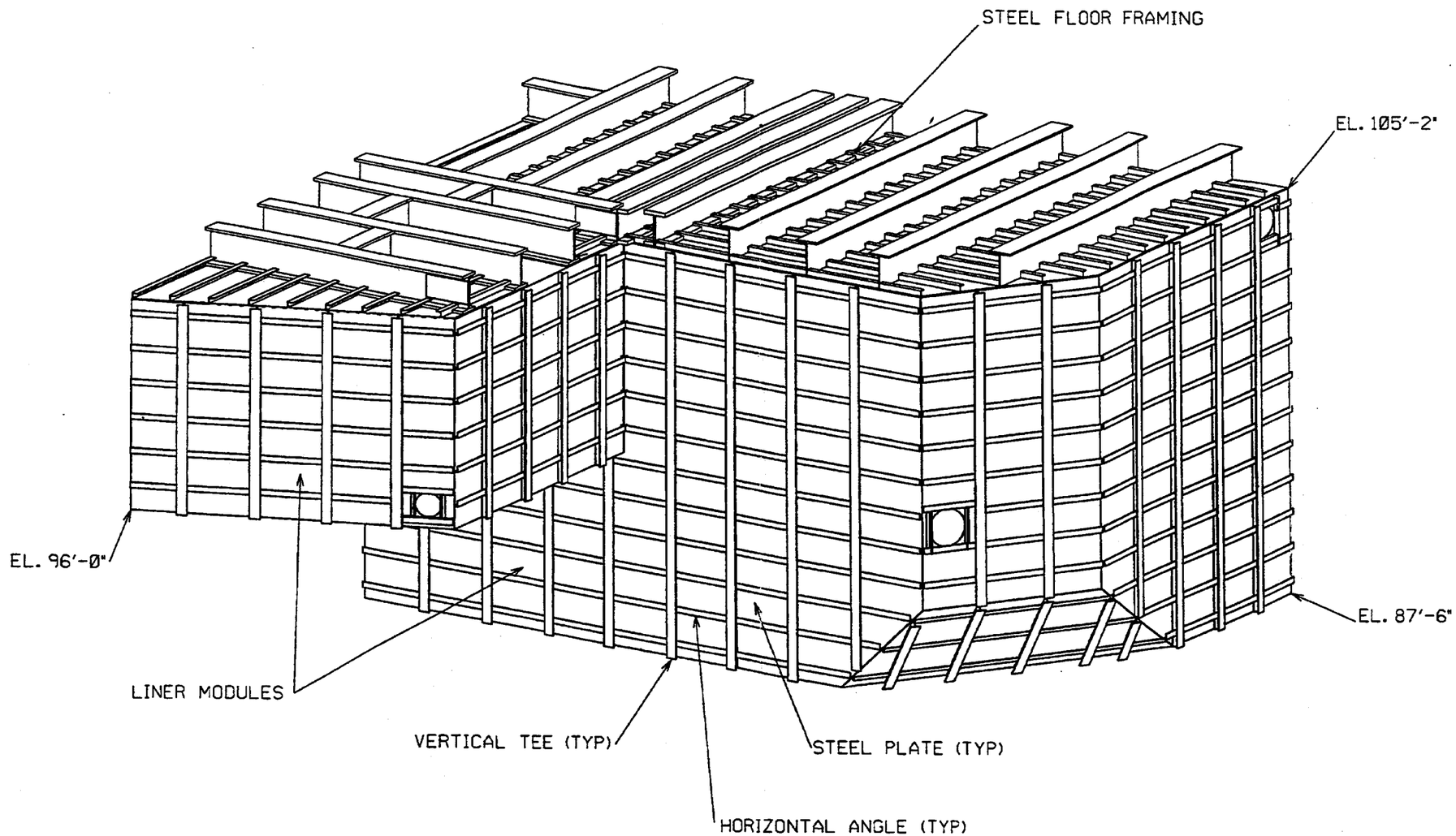


Figure 3.8.3-16

Typical Liner Modules

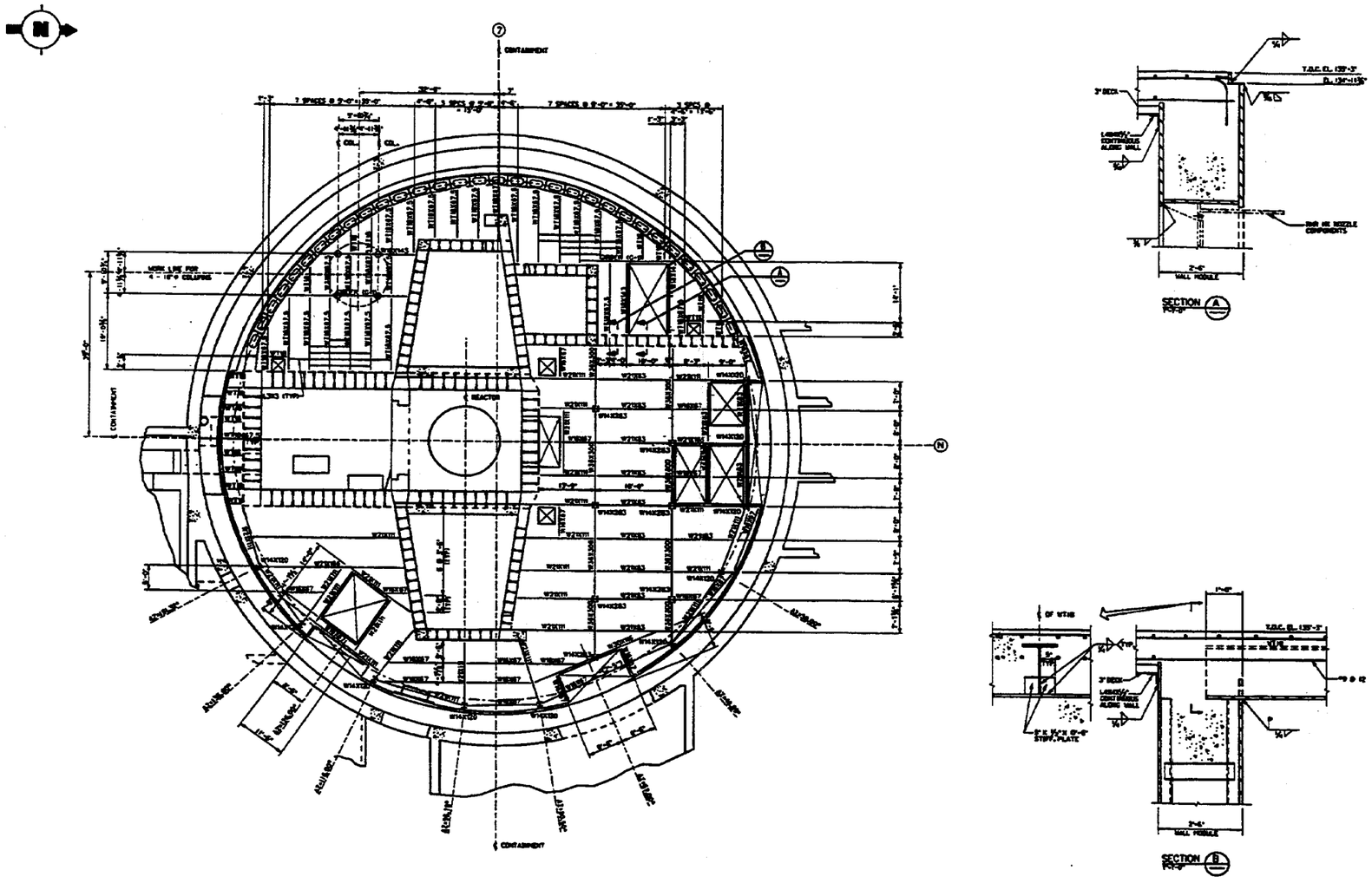


Figure 3.8.3-17 (Sheet 1 of 2)

[*Structural Modules - Typical Design Details*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

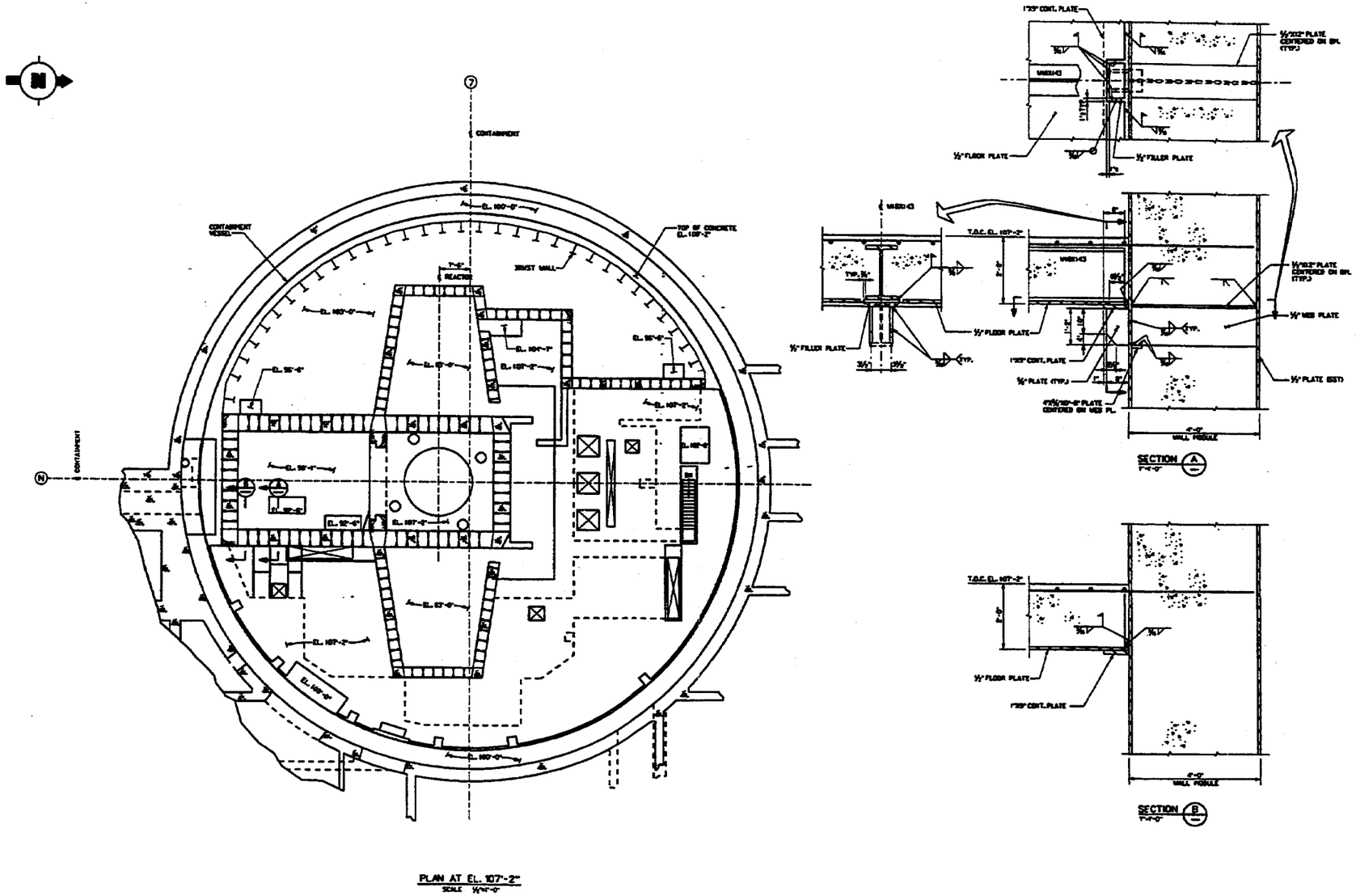


Figure 3.8.3-17 (Sheet 2 of 2)

[*Structural Modules - Typical Design Details*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

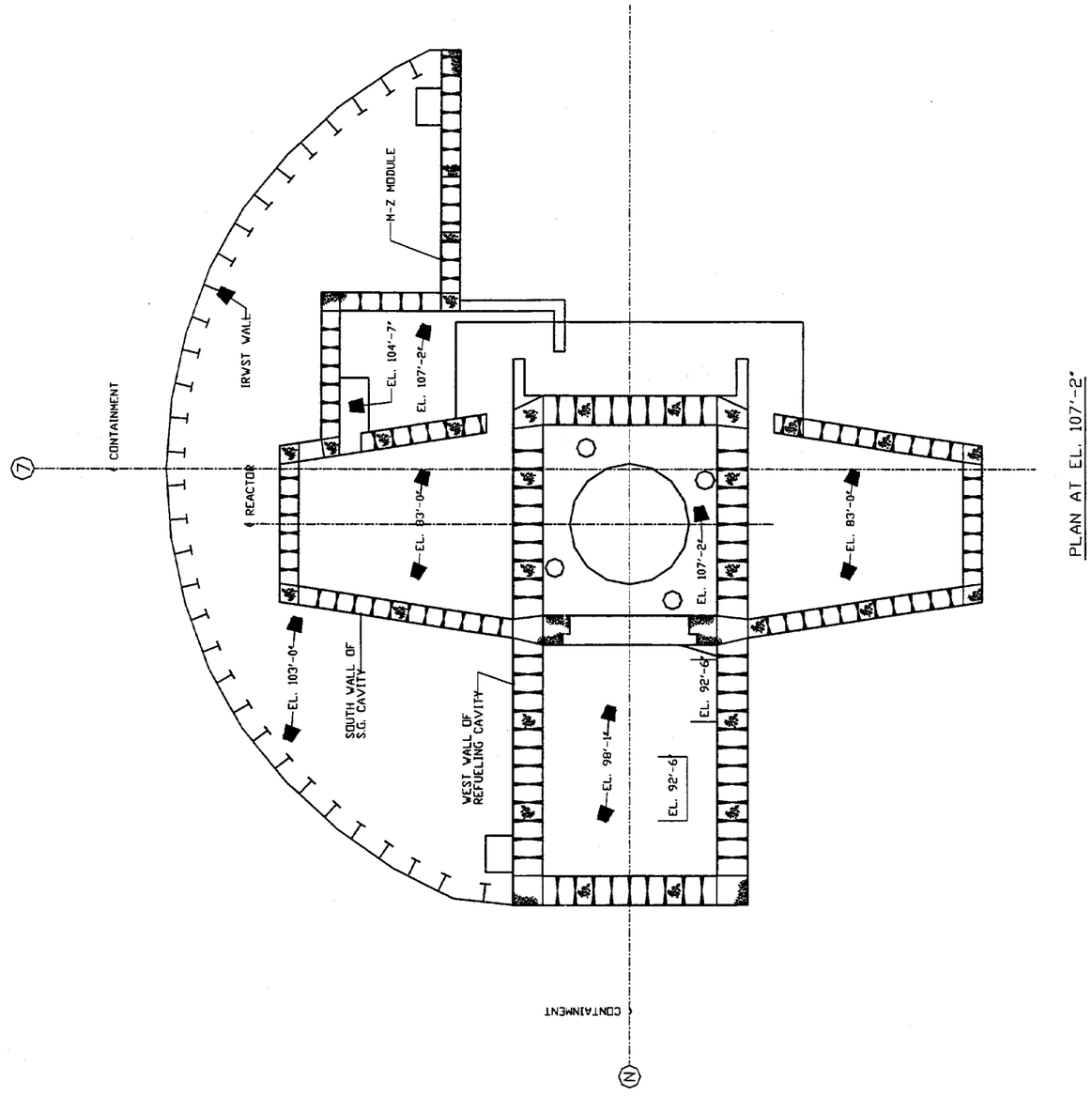


Figure 3.8.3-18

[*Location of Structural Wall Modules*]*

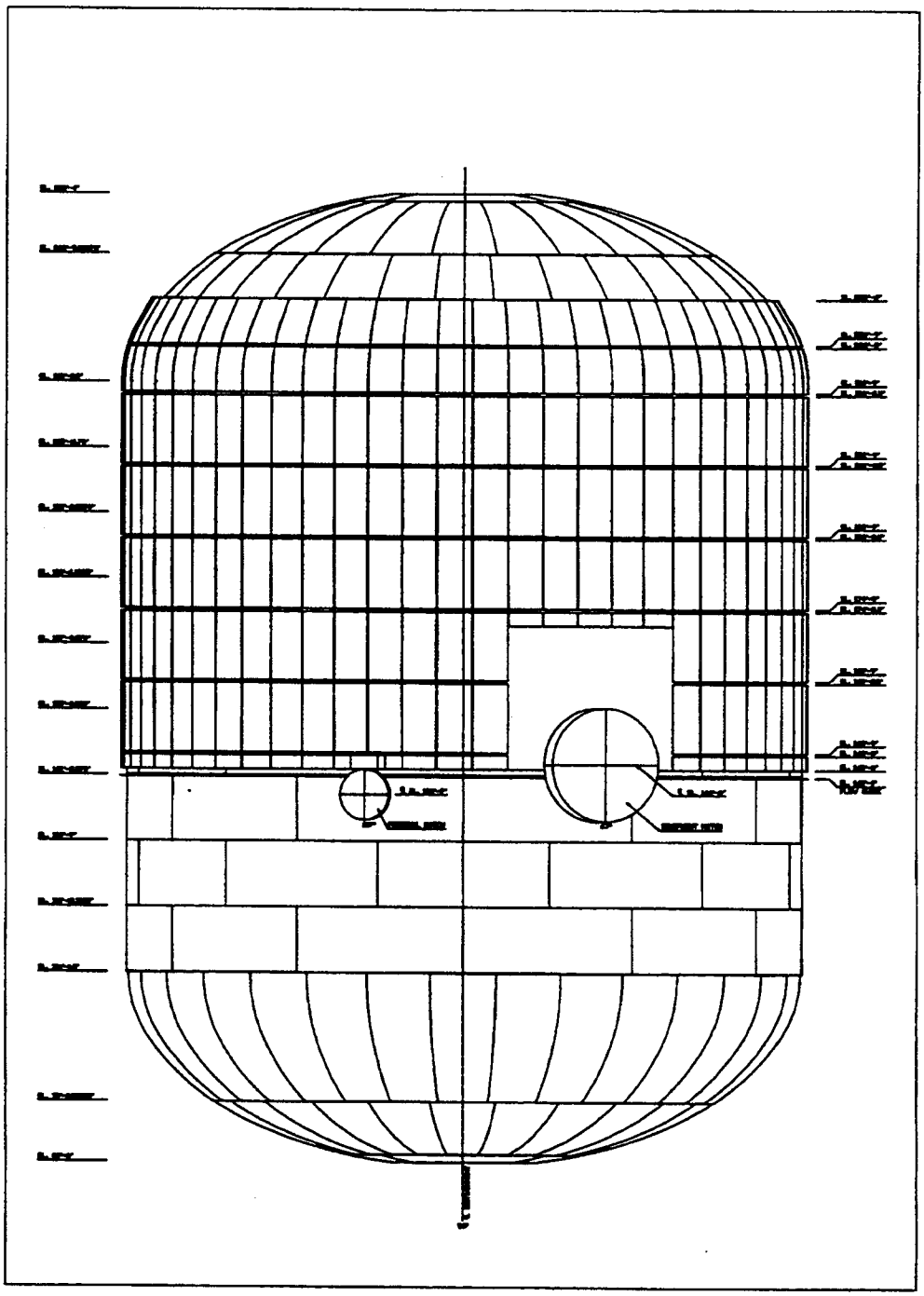


Figure 3.8.4-1 (Sheet 1 of 4)

Containment Air Baffle General Arrangement

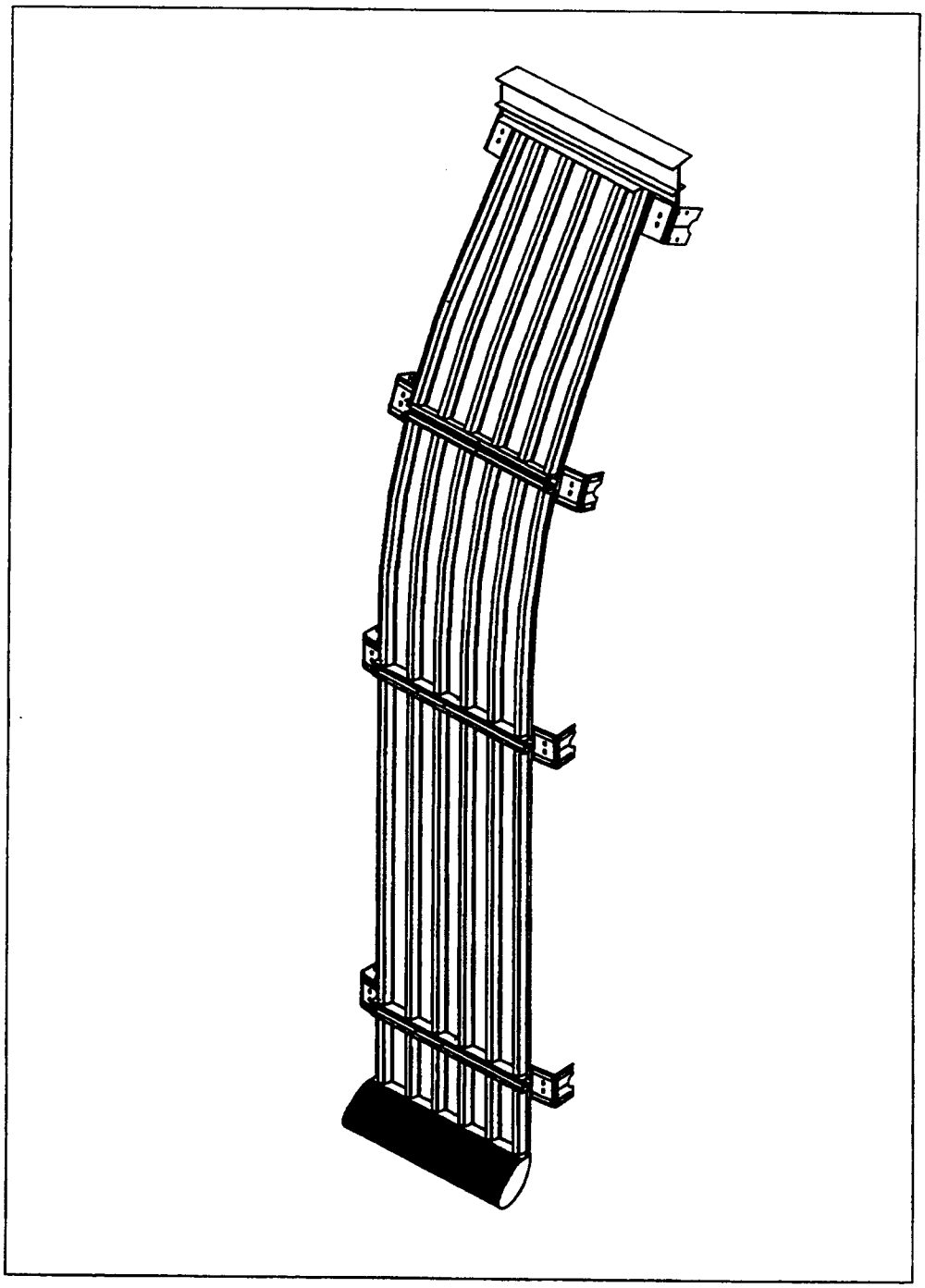


Figure 3.8.4-1 (Sheet 2 of 4)

Containment Air Baffle Panel Types

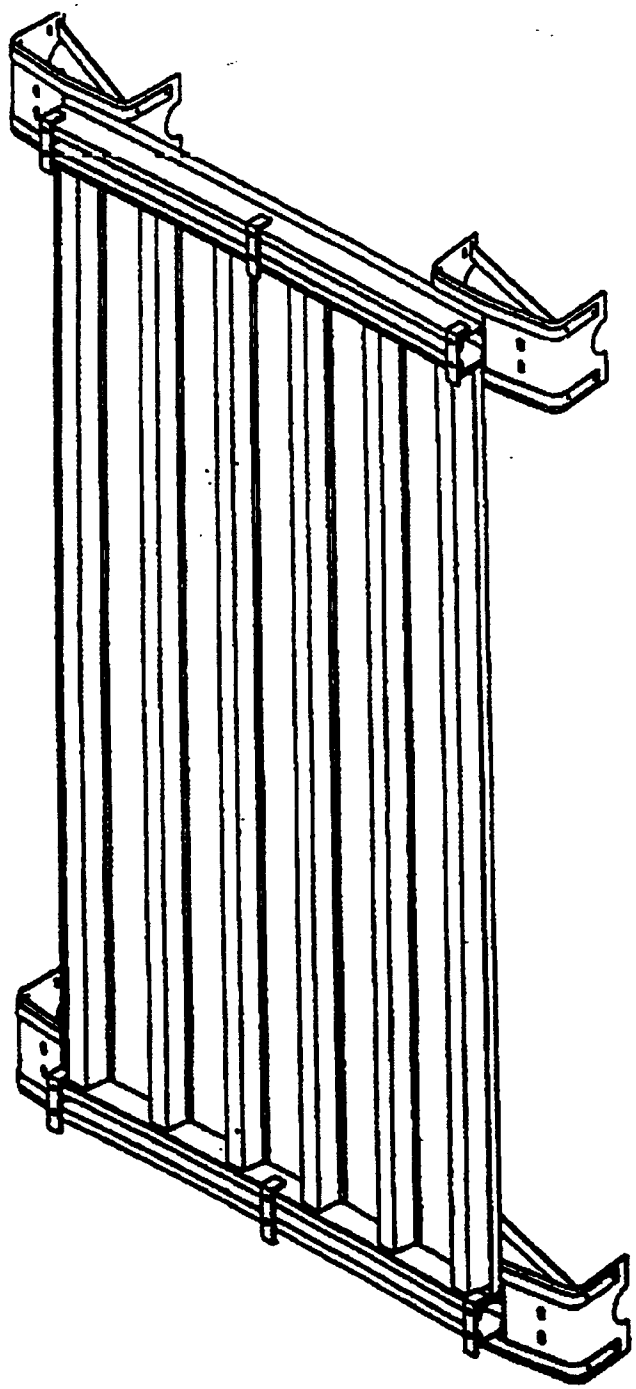


Figure 3.8.4-1 (Sheet 3 of 4)

Containment Air Baffle
Typical Panel on Cylinder

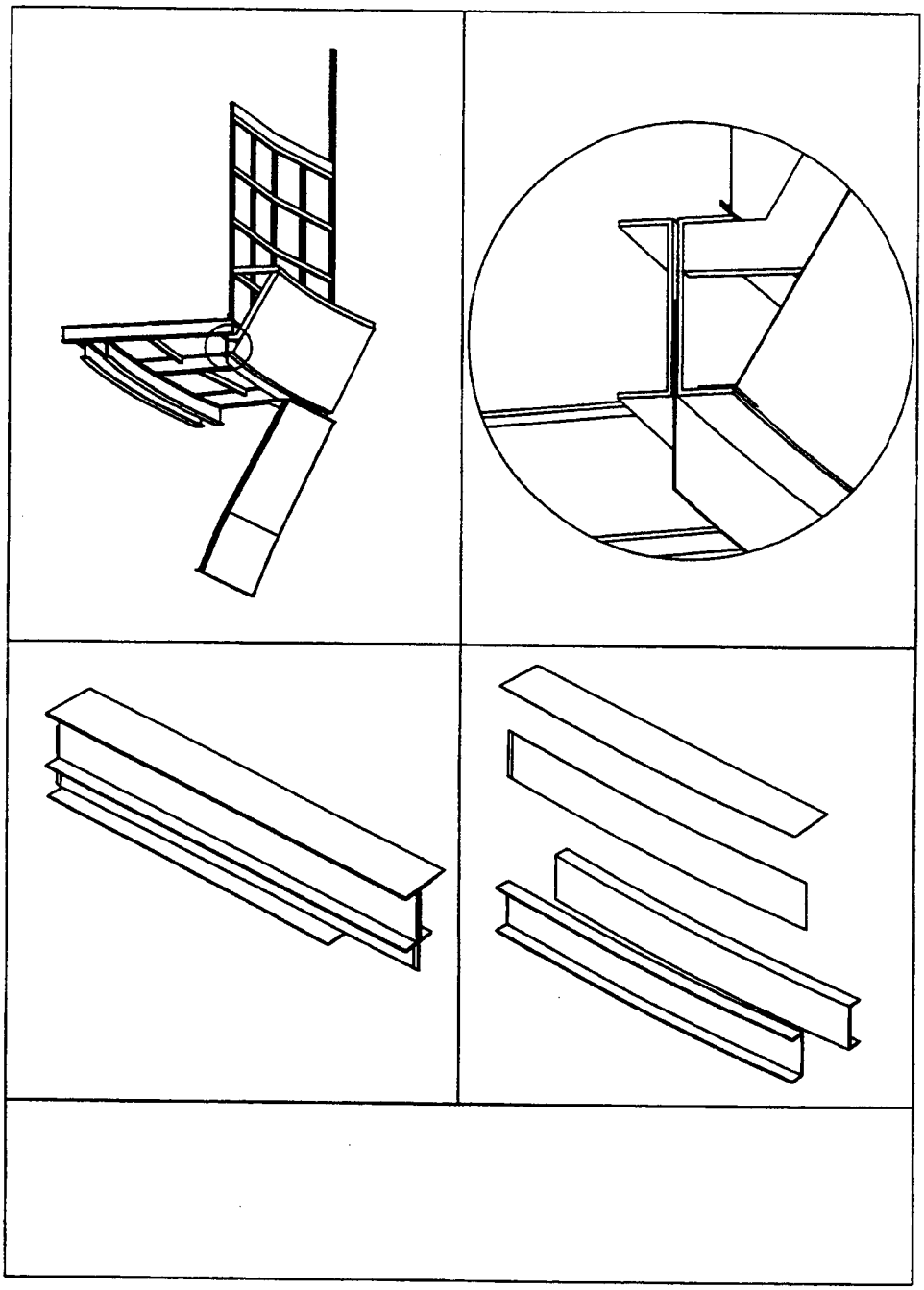


Figure 3.8.4-1 (Sheet 4 of 4)

Containment Air Baffle Sliding Plate

Deleted

Figure 3.8.4-2

Auxiliary Building Reinforcement
Concrete Wall 11 Elevations

Deleted

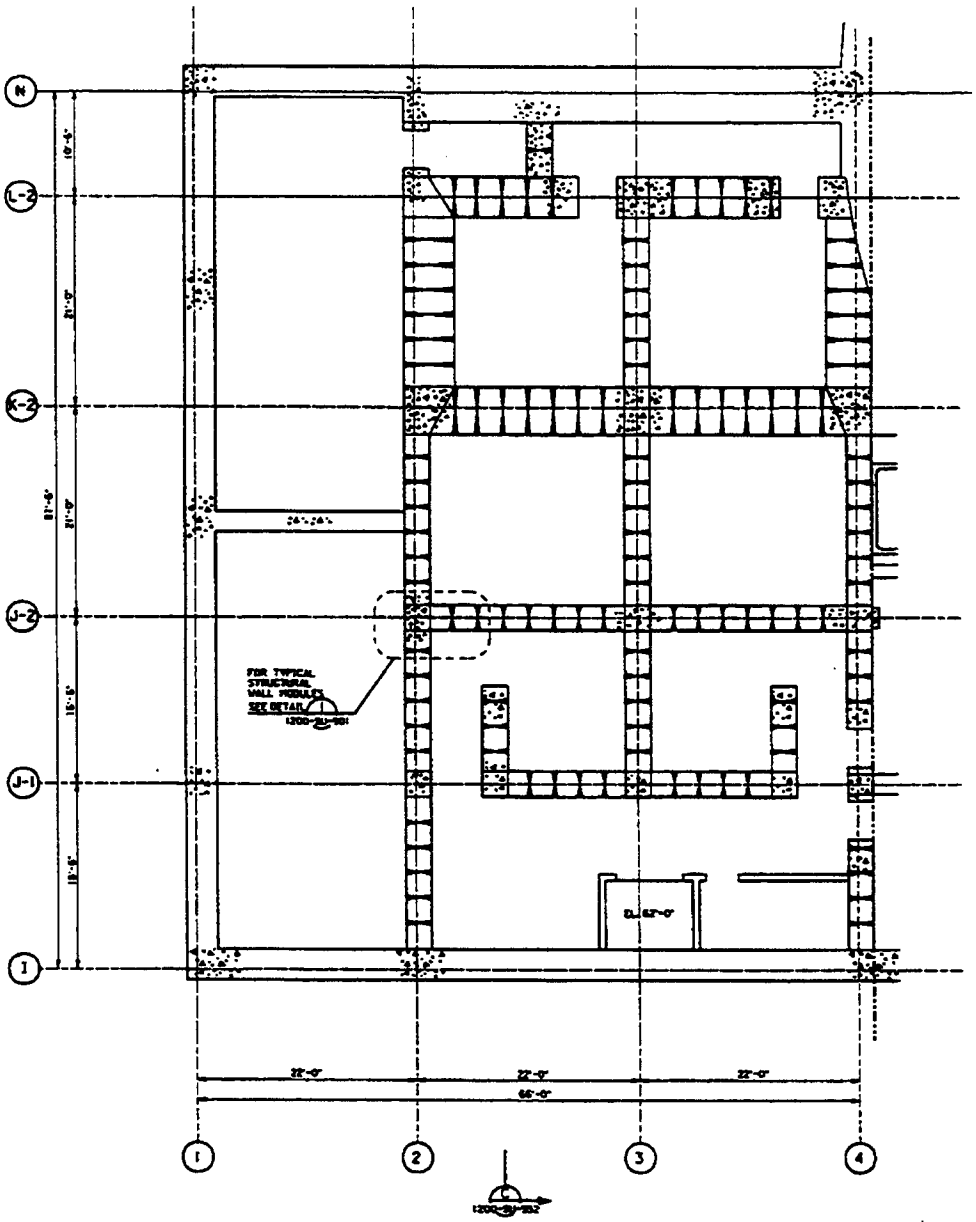
Figure 3.8.4-3

Auxiliary Building Concrete Reinforcement Floor at Elevation 82″-6′ Plan Areas 1 and 2

Deleted

Figure 3.8.4-4

Auxiliary Building Steel Framing Plan at El. 82″-6′

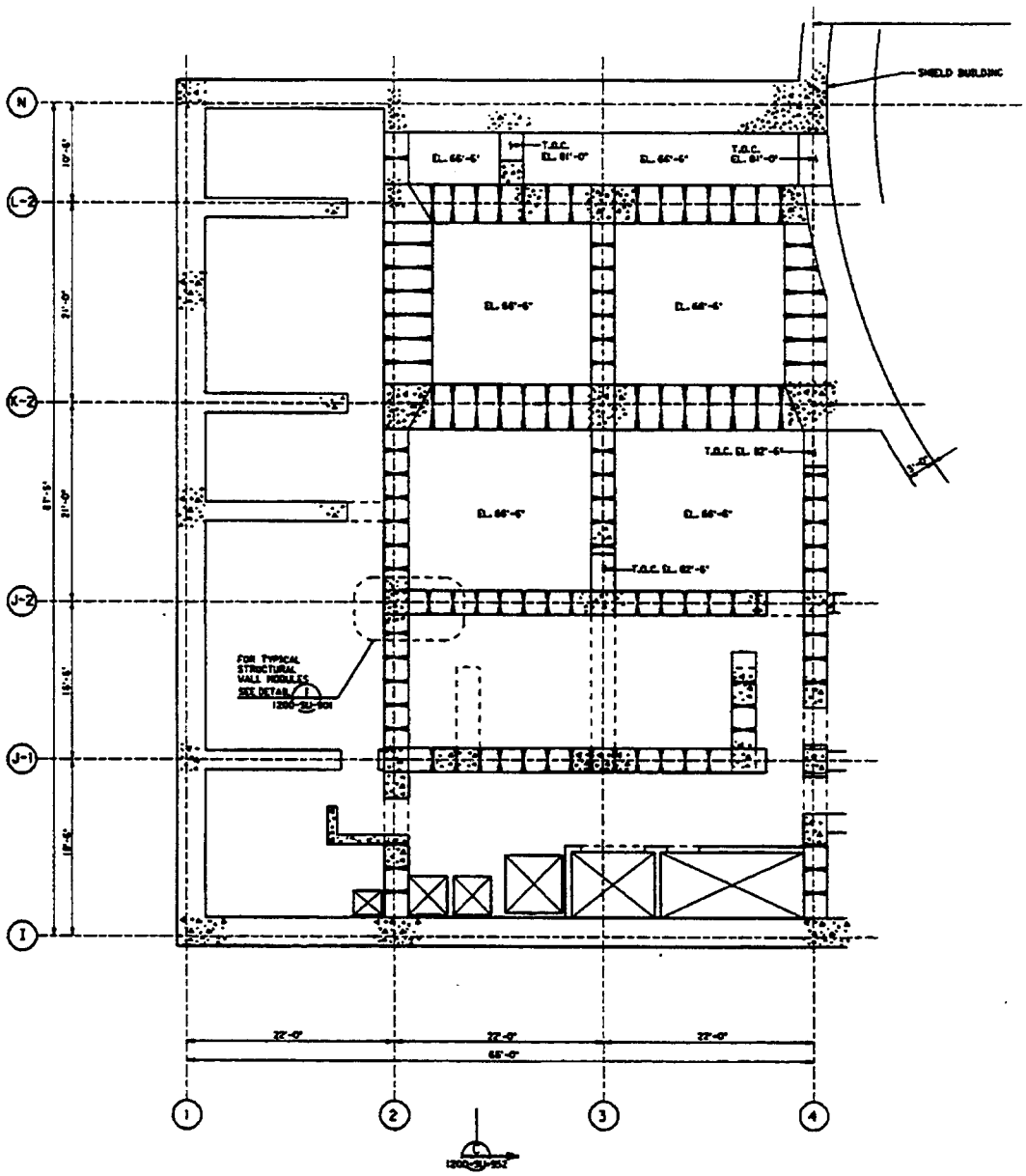


FLOOR EL. 66'-6"

Figure 3.8.4-5 (Sheet 1 of 5)

[*Structural Modules in Auxiliary Building*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

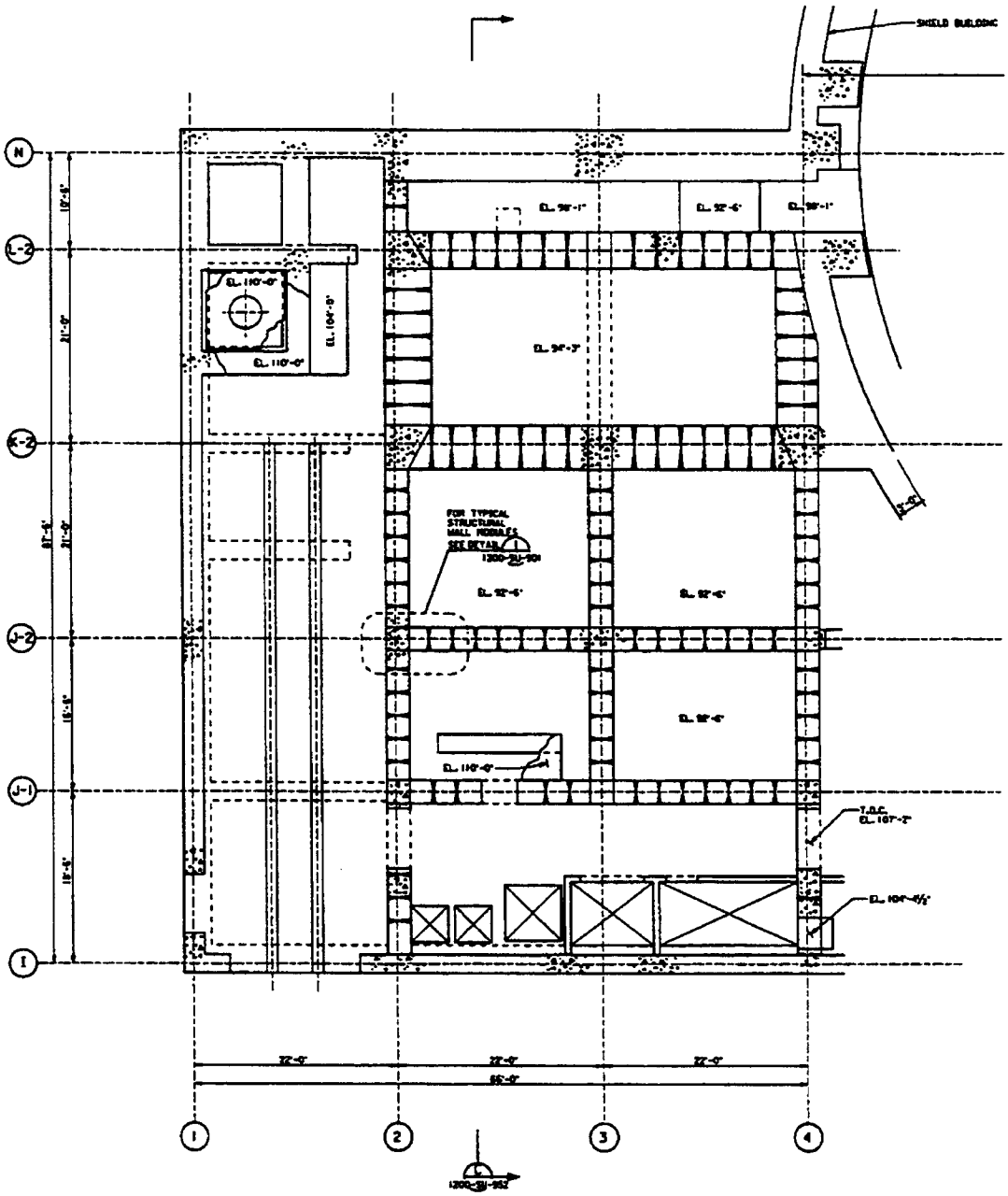


FLOOR EL. 82'-6"

Figure 3.8.4-5 (Sheet 2 of 5)

[*Structural Modules in Auxiliary Building*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

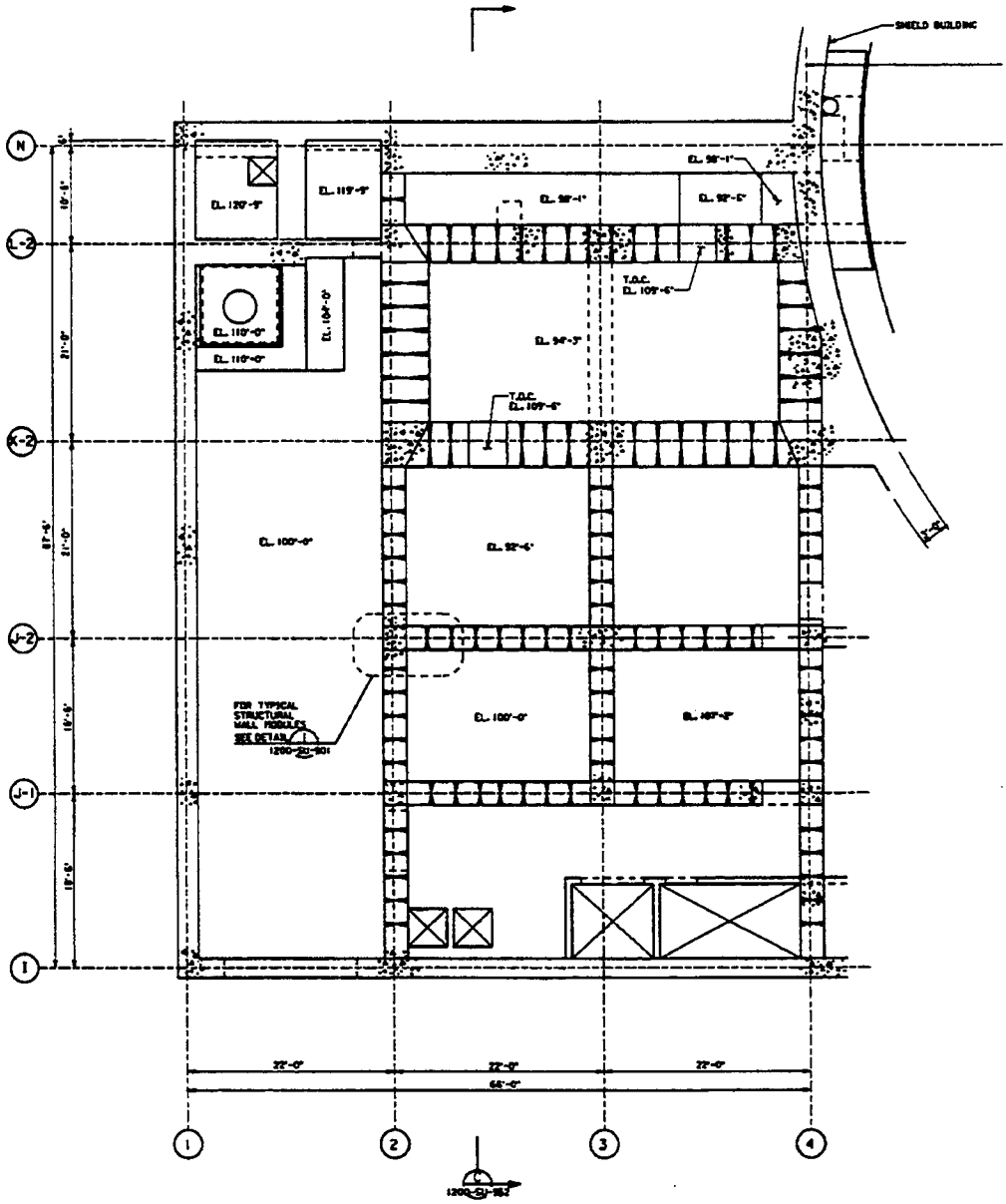


FLOOR EL. 100'-0"

Figure 3.8.4-5 (Sheet 3 of 5)

[*Structural Modules in Auxiliary Building*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.



FLOOR EL. 117'-6"

Figure 3.8.4-5 (Sheet 4 of 5)

[*Structural Modules in Auxiliary Building*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

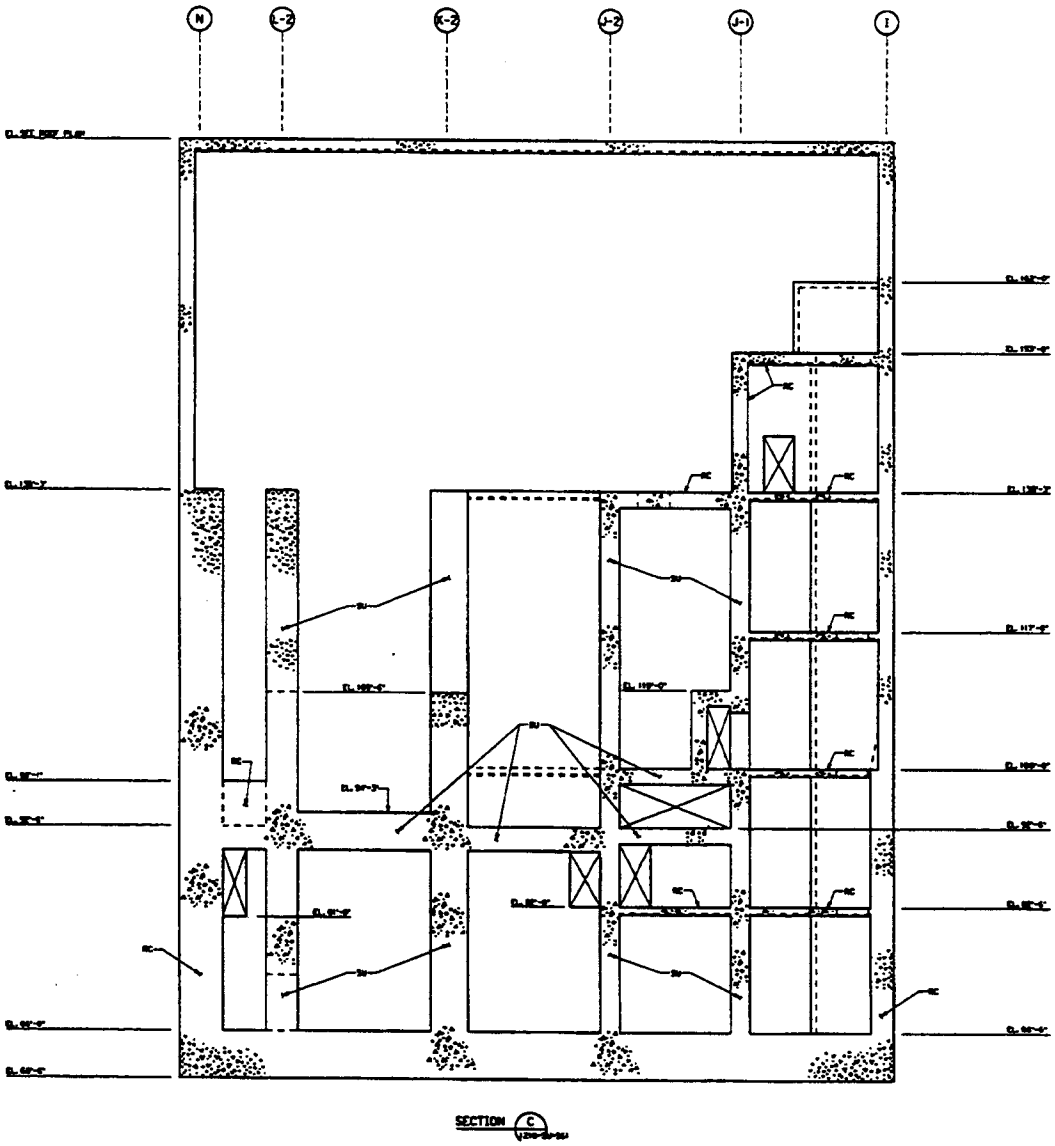


Figure 3.8.4-5 (Sheet 5 of 5)

[*Structural Modules in Auxiliary Building*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

Deleted

Figure 3.8.4-6 (Sheet 1 of 3)

Auxiliary Building Finned Floor

Deleted

Figure 3.8.4-6 (Sheet 2 of 3)

Auxiliary Building Finned Floor

Deleted

Figure 3.8.4-6 (Sheet 3 of 3)

Auxiliary Building Finned Floor

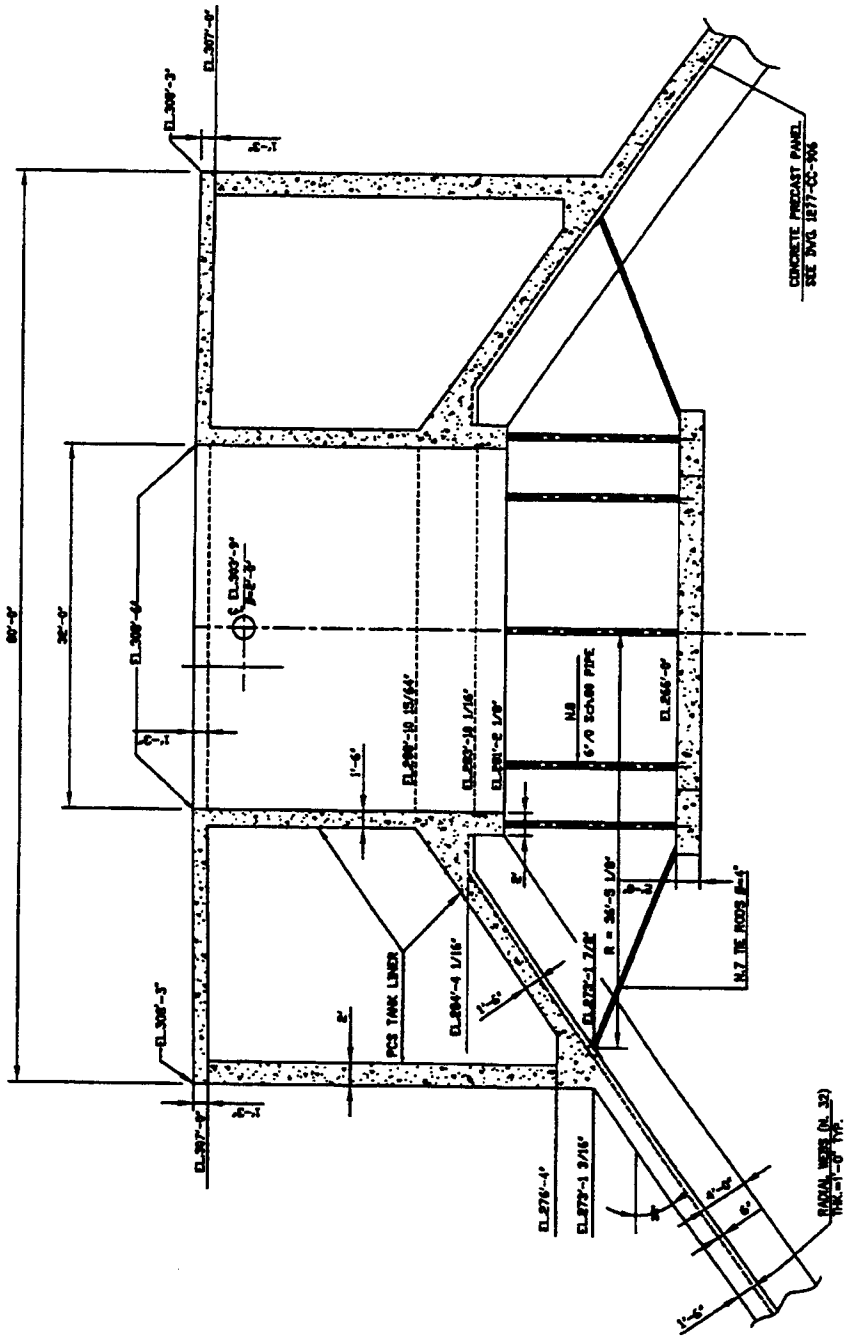


Figure 3.8.4-7

[*Passive Containment Cooling Tank*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.

Deleted

Figure 3.8.4-8 (Sheet 1 of 2)

Fire Water Storage Tank Sections

Deleted

Figure 3.8.4-8 (Sheet 2 of 2)

Fire Water Storage Tank Sections

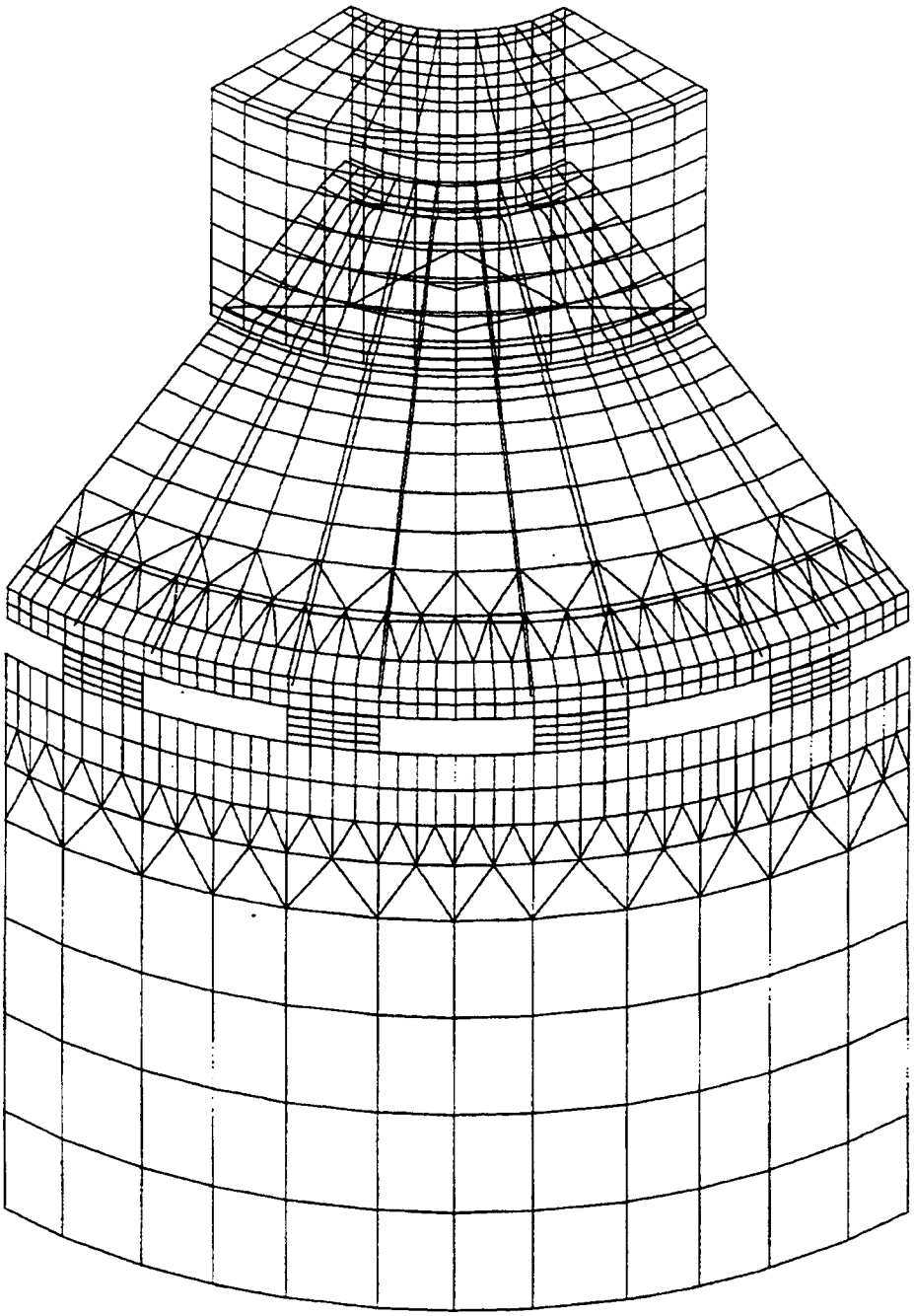


Figure 3.8.4-9

Finite Element Model of Shield Building Roof

[This page intentionally blank]

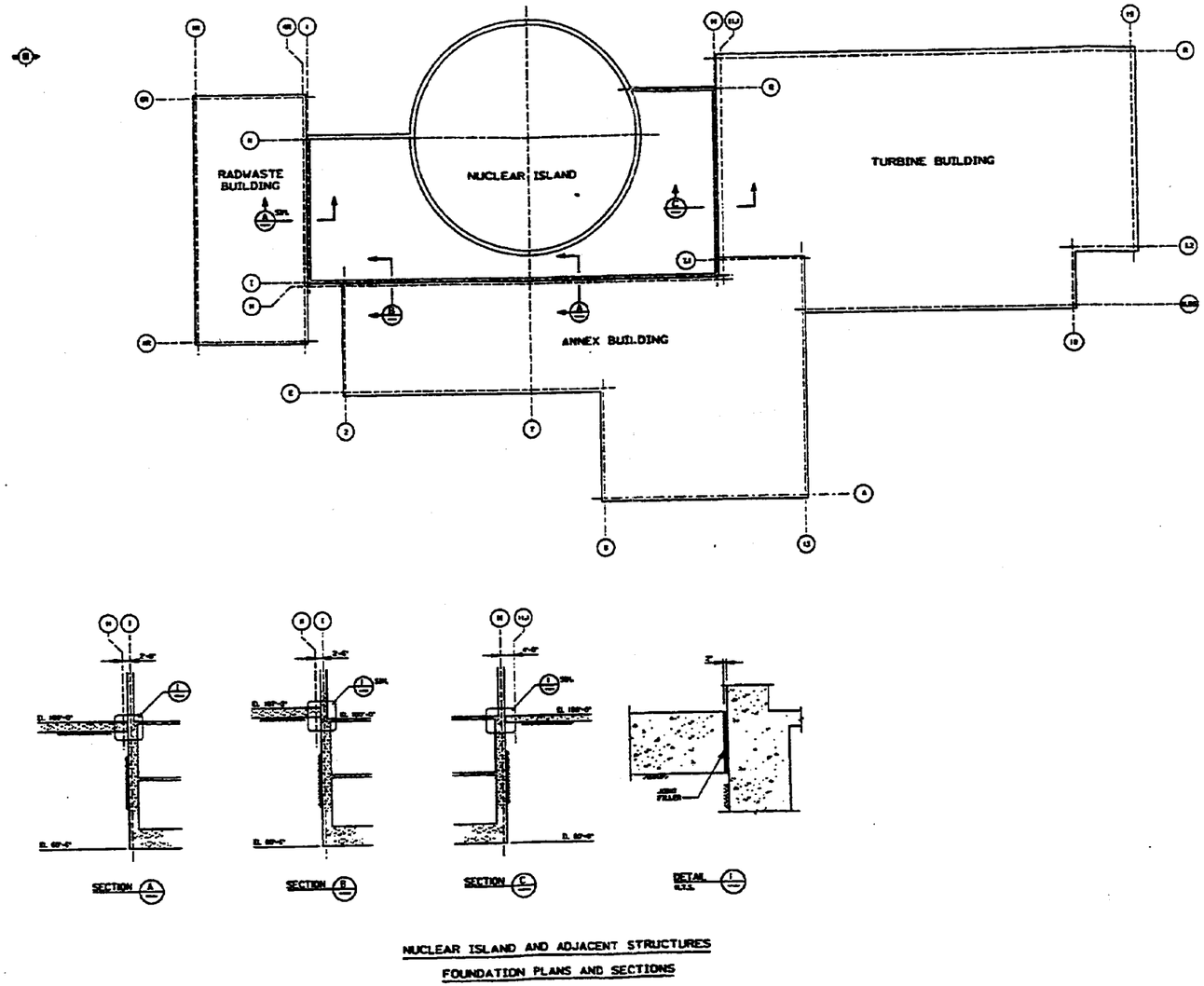
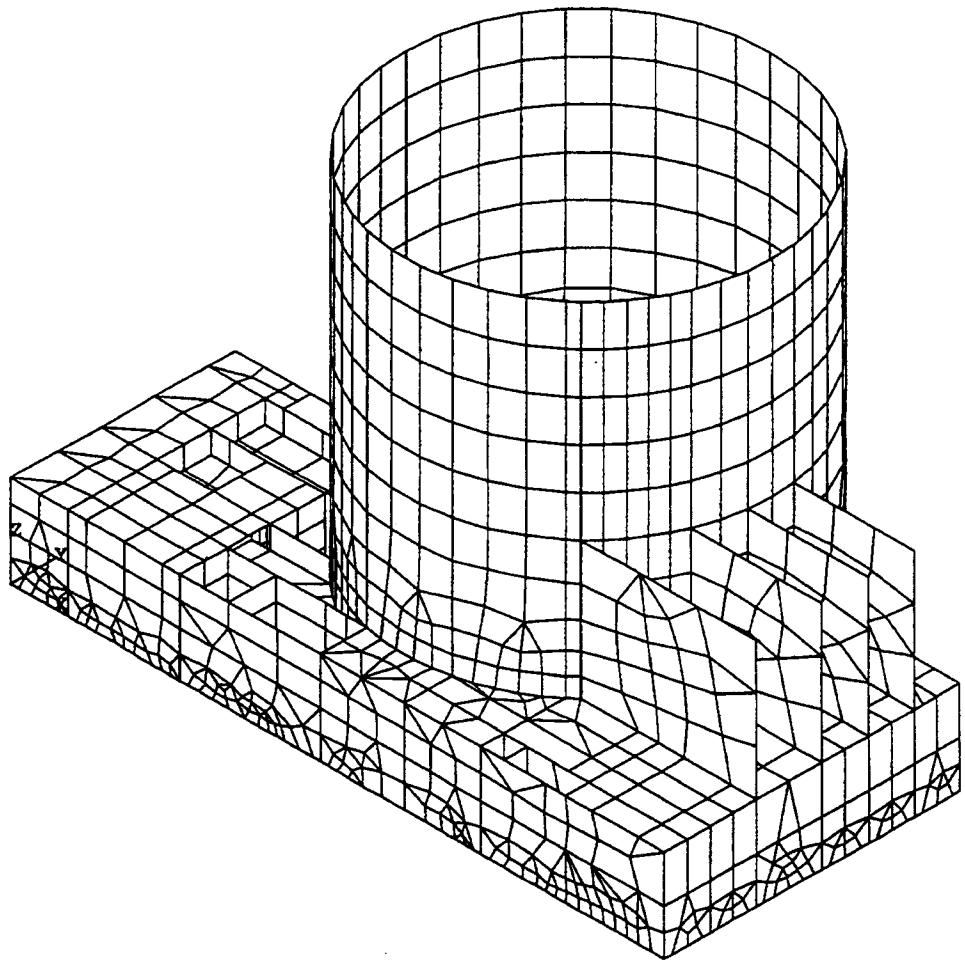


Figure 3.8.5-1

Foundation Plan



Nuclear Island - General View

Figure 3.8.5-2 (Sheet 1 of 2)

Nuclear Island Finite Element Model - General View

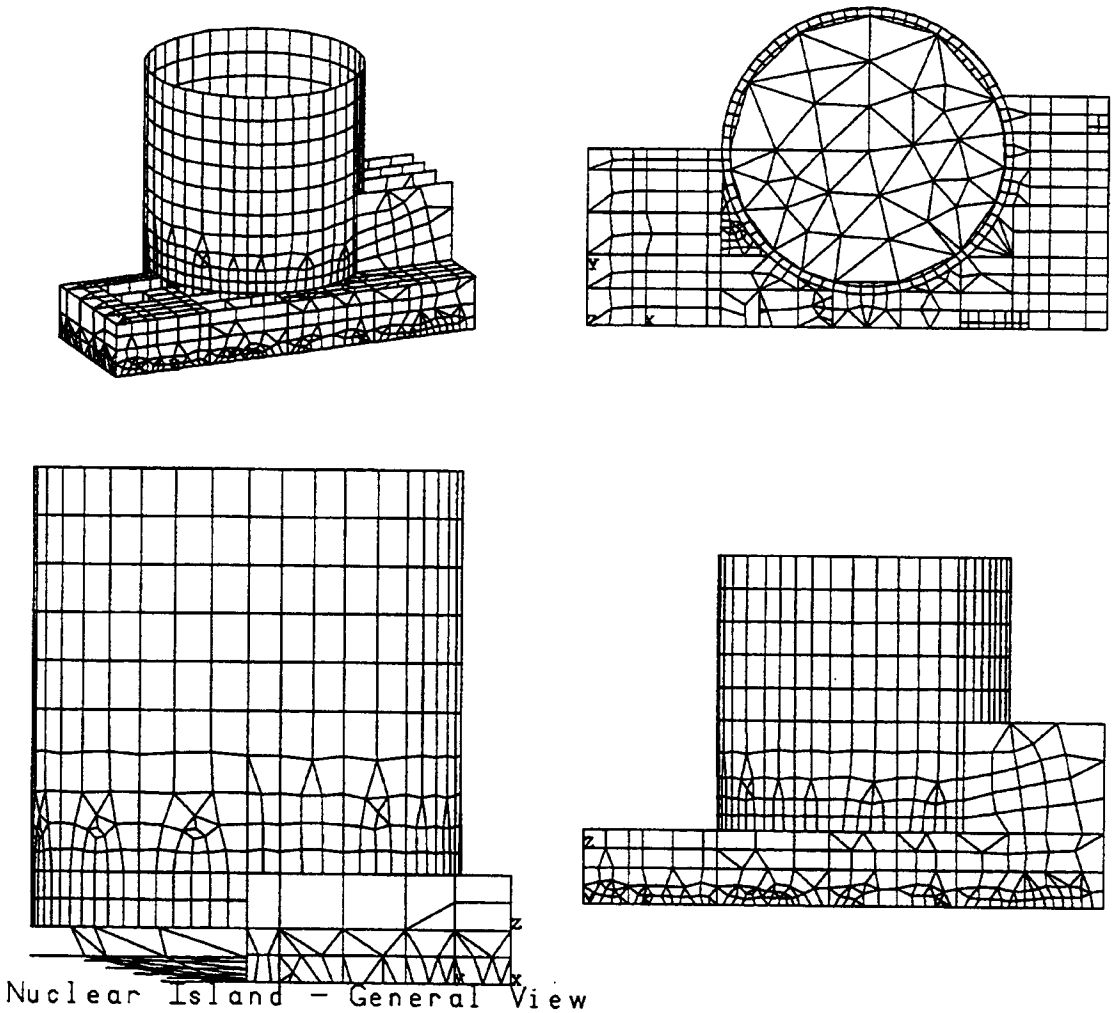


Figure 3.8.5-2 (Sheet 2 of 2)

Nuclear Island Finite Element Model - Plan and Elevation Views

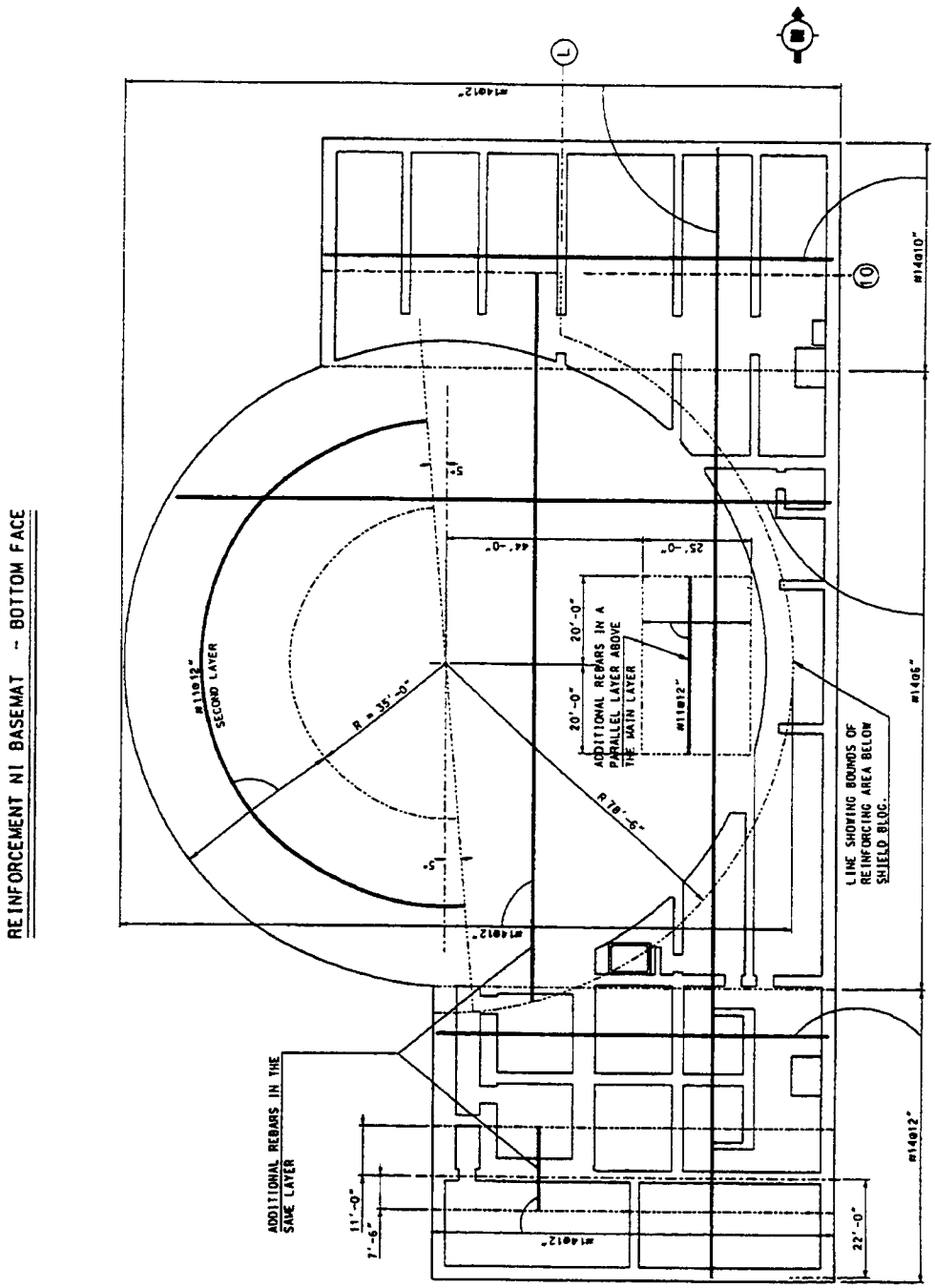


Figure 3.8.5-3 (Sheet 1 of 5)

[*Basemat Reinforcement - Bottom Face*]*

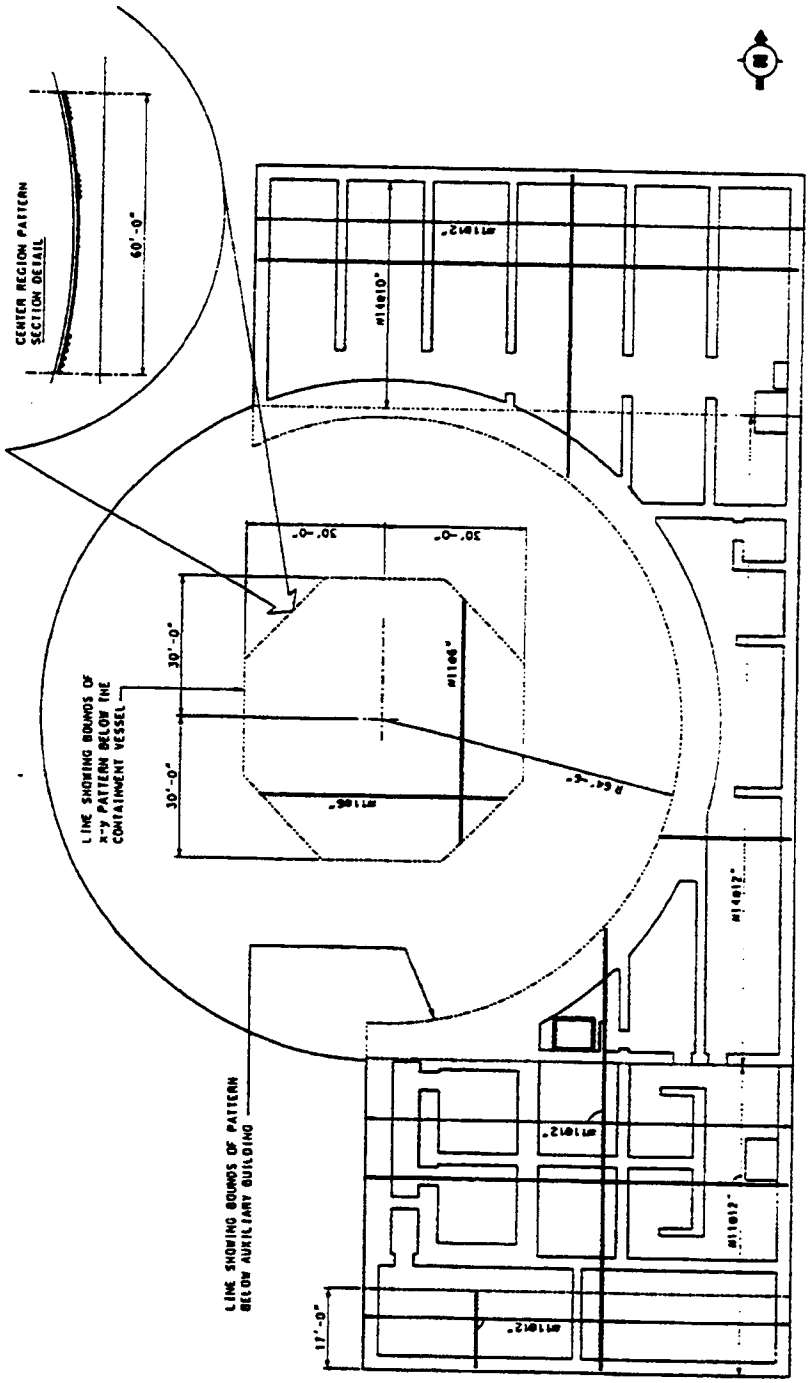


Figure 3.8.5-3 (Sheet 2 of 5)

[*Basemat Reinforcement - Top Face*]*

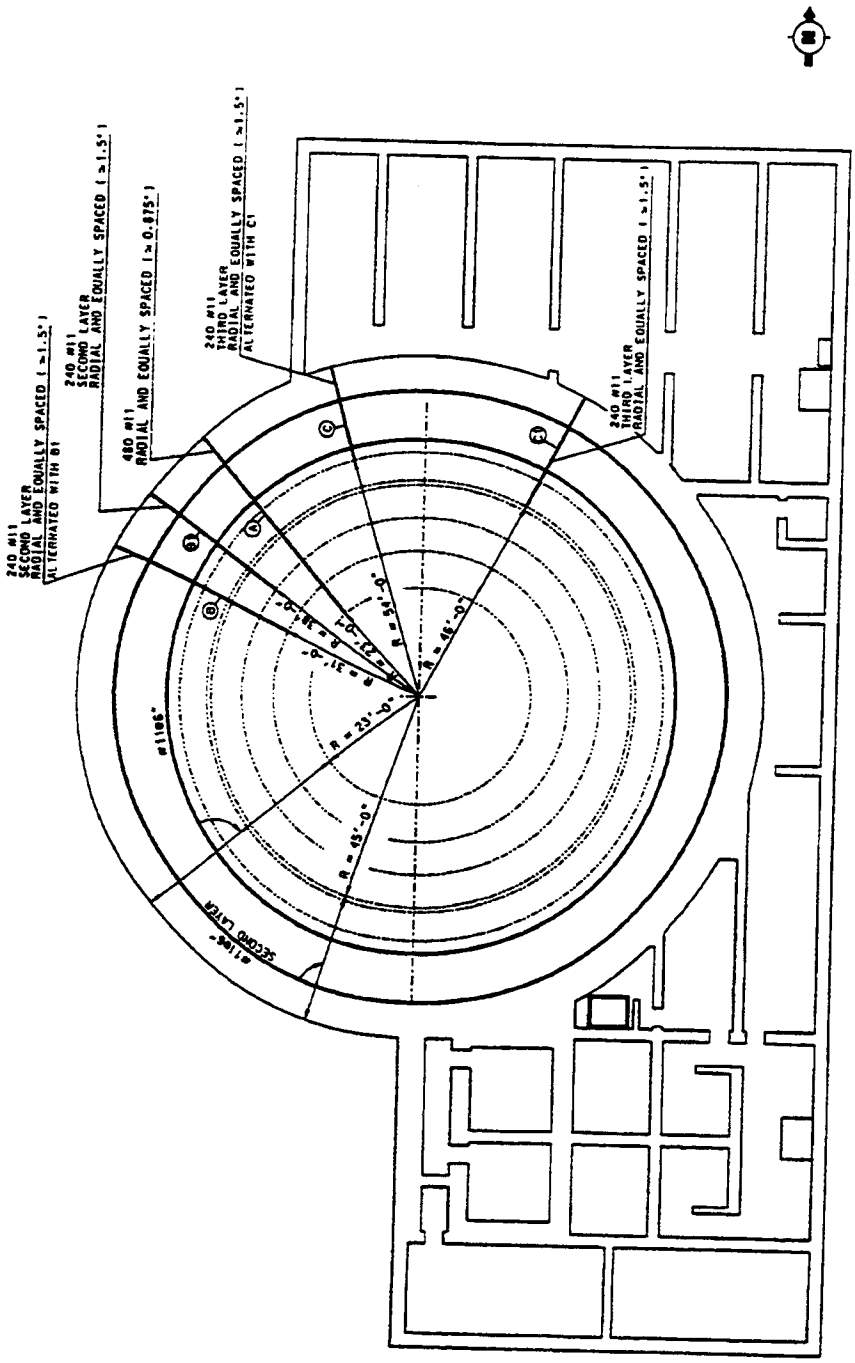


Figure 3.8.5-3 (Sheet 3 of 5)

Basemat Reinforcement - Top Face Below Containment Vessel

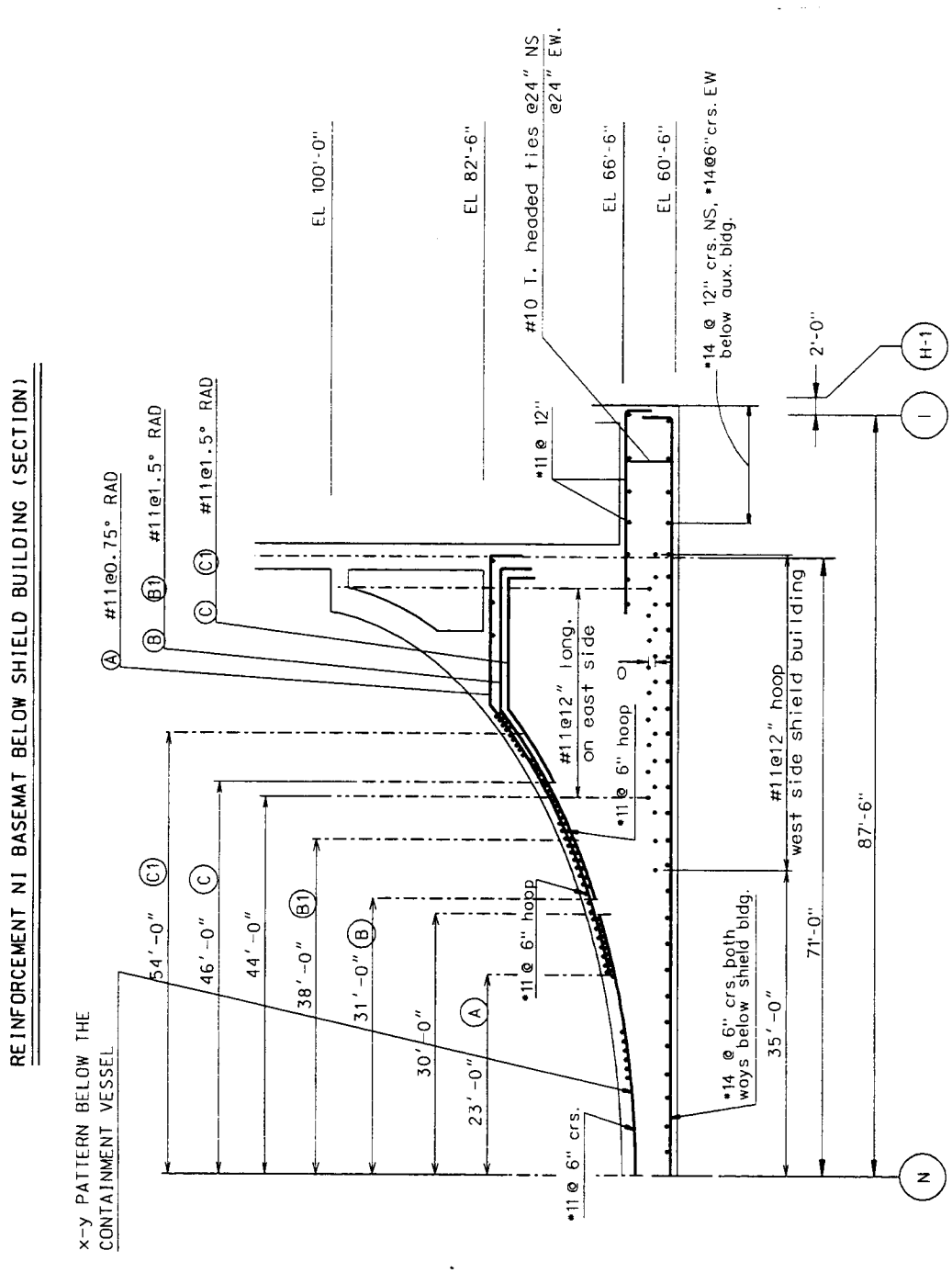


Figure 3.8.5-3 (Sheet 4 of 5)

Basemat Reinforcement - Cross Section

N.I. BASEMAT - SHEAR REINFORCEMENT

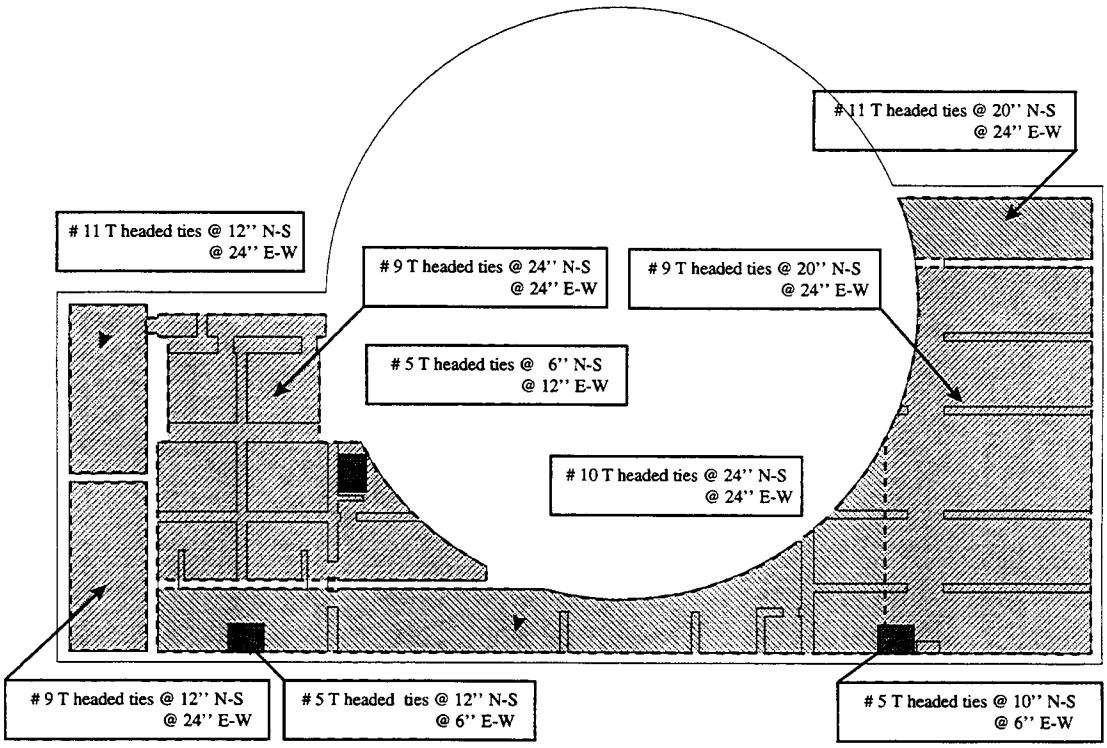


Figure 3.8.5-3 (Sheet 5 of 5)

[*Basemat Shear Reinforcement*]*

*NRC Staff approval is required prior to implementing a change in this material; see DCD Introduction Section 3.5.